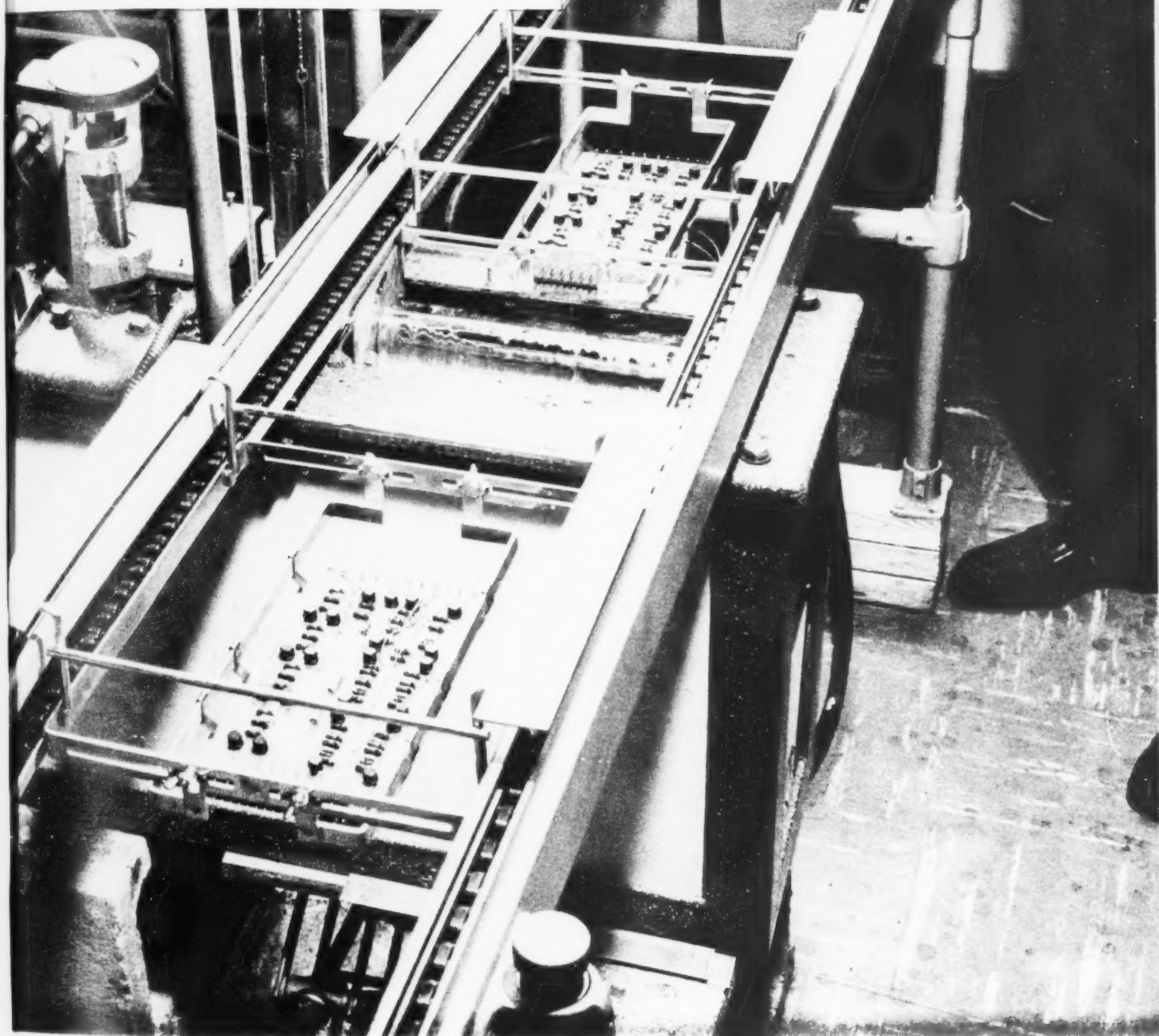


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*Our free service can give
you the answer*

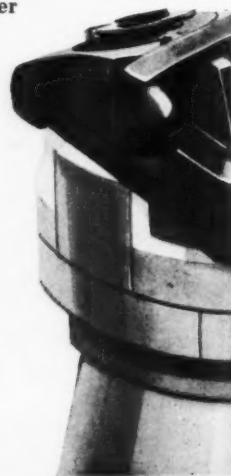
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The Southern New England *Telephone* Company



CONNECTICUT INDUSTRY

OCTOBER • 1960

VOLUME 38 NUMBER 10



THIS MONTH'S front cover photo shows wave soldering printed circuit boards at Trak Electronics Company, Wilton.

LESLIE M. BINGHAM Editor

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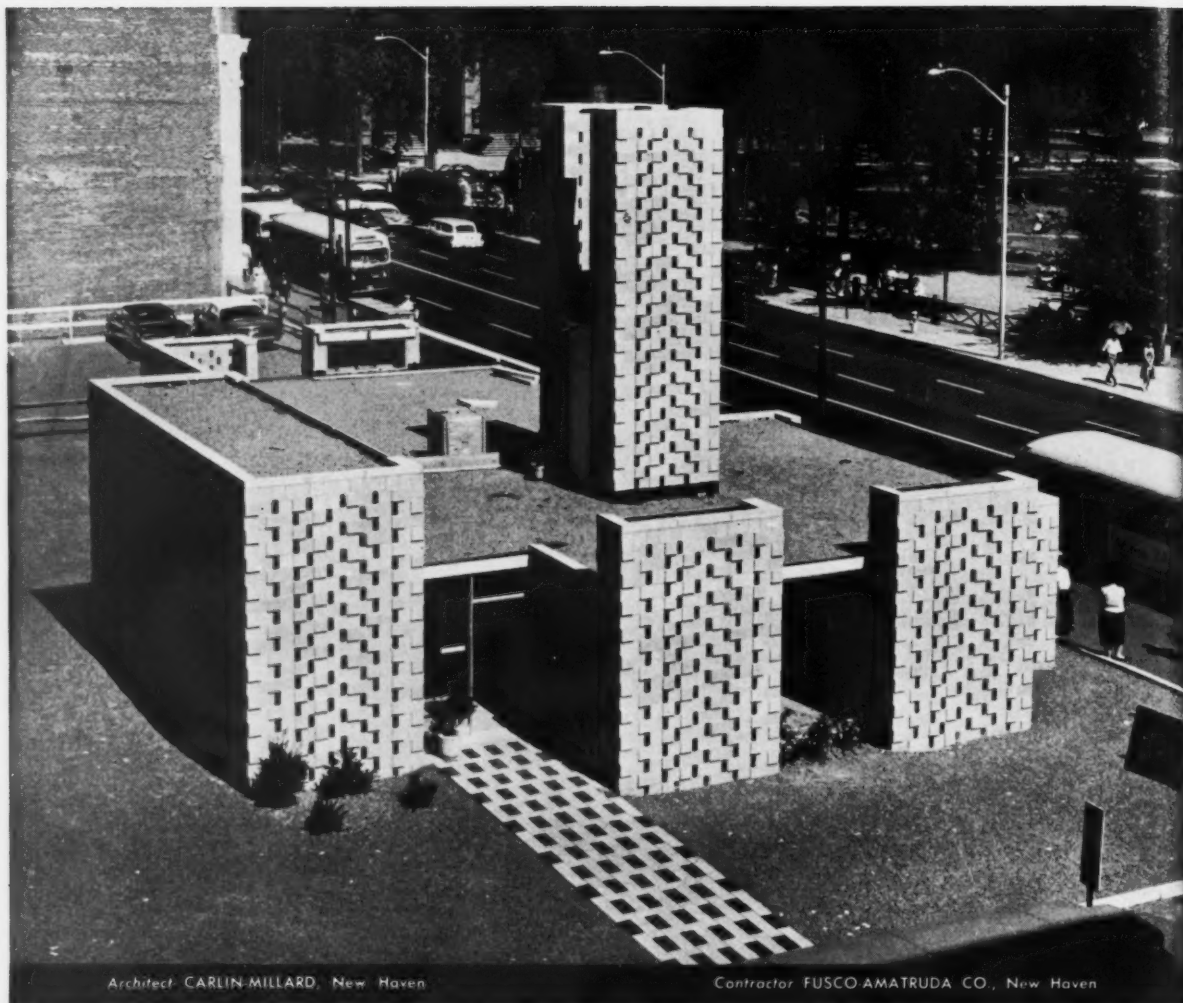
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Architect: CARLIN-MILLARD, New Haven

Contractor: FUSCO AMATRUDA CO., New Haven

Municipal Showcase--via Plasticrete Masonry Bloc

PROBLEM: Within the next few years, urban renewal will have transformed much of midtown New Haven. During the period of demolition and reconstruction, a certain amount of civic inconvenience is of course unavoidable. To clarify and dramatize the many-faceted redevelopment plan to the public, a centralized exhibit-hall was sought as convenient display for architects' models and sketches, progress reports, etc. No appropriate housing for such existed, so it had to be provided — *quickly, cheaply, and attractively.*



SOLUTION: Local suppliers of building materials and services co-operated freely with architects, building contractors and union-members in raising this unique "Progress Pavilion" at the gateway to the main project-area in the heart of New Haven. Erected largely of Plasticrete masonry units and *largely in one day*, it is serving the public as an effective guide to the whole "new New Haven" project — and incidentally, as a reminder of the adaptability and downright good-looks of modern masonry.

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24-HOUR SERVICE

On Casting an Educated Vote

♦ FEW choices made by free men are equal in importance to the selection of persons who will make or administer the laws which will affect their lives for good or evil and create the heritage for their children and generations yet unborn. No man with a conscience alert to both the short and long range consequences of his choices in the American voting booth — the most private place in the world — can escape feeling the weight of responsibility for making the right choices.

To the extent that our forebears made the right choices based upon a clear knowledge of the climate necessary to perpetuate freedom with responsibility, we have fallen heir to rich rewards in material blessings and the even more important legacy of free choice. To the extent that they and many living voters were delinquent in making the right choices, we have suffered not only material losses, but also an erosion of moral and spiritual values.

Although every election is important, a realistic appraisal of both international and domestic scenes makes the 1960 election a stand-out in importance among all elections held since 1860. In that election our fateful choice was for a leader who acted upon the conviction that "no nation can exist half slave and half free." In the 1960 election we must make our decisions on the national level against a backdrop of a world one-third enslaved by the two most brutal and rapidly expanding tyrannies in recorded history and by a tidal wave of federal bureaucracy that seriously threatens to engulf the remaining protections of our freedoms — our state and local governments.

It follows then that in our volcanic world, erupting the poison of mob disorder, treachery, murder, robbery and peace by surrender, as concocted in Moscow and Peiping, to destroy and take over all governments of the free world, we must select as our president the man best equipped by experience and demonstrated abilities to deal aggressively with the menacing international situation while giving meaningful incentives to keep our domestic economy running in high gear. We must also select tough-minded men for the Congress who will support rather than stymie his wise efforts to meet the fateful challenges of the next four years, but at the same time remain alert to block any administrative measures endangering the nation's security.

Because of their effect upon the national trend our choices at local and state levels likewise demand discerning judgment. With Connecticut moving away at a galloping pace from the pay-as-you-go status it maintained with pride for many years as an incentive for the establishment of new business and industry, and now vying with other states for the booby prize of "most heavily indebted state," it is imperative that we elect candidates conscious of the business deterrent force of mounting debt and unnecessary regulation if we would meet the challenge of providing some 85,000 new jobs that will be required within the next 15 years to employ Connecticut's expanding population.

Admittedly, we cannot be sure of making the best choices even with our best efforts and intentions. Only a term in office by candidates whom we help to elect will

prove how right or wrong our choices were. But there are many ways to inform ourselves on the issues and the men who appear to be best equipped to handle them.

Here are what we consider the best sources of information.

Newspapers are a prolific source of information about issues and the views of candidates concerning them. While newspapers are constantly accused of being biased, most reputable papers attempt to air in their news columns both sides of an argument between candidates and concerning issues even though it is frequently impossible to give comparable coverage to both sides on the same day. Whether you agree with the newspaper's point of view or not, the reading of its editorials is an important course in one's training to cast an educated vote. While the columnists usually declare for a party or candidate, they, too, can add to your store of knowledge regardless of whether or not you agree with them.

Whether or not you have the time to read a daily newspaper, the careful reading of weekly summaries and articles in such magazines as *Newsweek*, *U. S. News and World Report* and *Human Events*, is a practical "must" to sharpen your perspective.

Radio and television programs, particularly those staged on Sunday afternoon and evening, broaden every voter's knowledge of issues and candidates since he can both see and hear them.

Campaign literature, meetings, both large and small, where one can hear and question candidates, and debates and discussion meetings staged by civic, church, lodge or other organizations also help to add to a voter's knowledge.

Another important educational exercise is a close examination of the "deeds" rather than the "promises" of former office holders seeking re-election, which are to be found in the voting records of these candidates.

And finally, if one cannot locate voting records on the state and local levels, either because none are available or because the candidates have not established a voting record, a voter or a group of voters may request the candidates to answer a questionnaire which would give a strong indication of what type of legislation they favor.

With the vital decisions soon to be made affecting the personal life of every employer and employee and the future of his and every other business, his community, the state and nation, an employer does not meet his full responsibility by casting an educated vote himself. He meets it fully only after he has put forth his best efforts to see that his employees also learn the facts which will permit them to cast an educated vote. And to impress his employees, even himself, every employer could give no better last-minute suggestion to his employees than to repeat a recent wise observation by one of our leading news magazines. "Freedom," it said, "like a receding hairline, isn't lost all at once. It goes gradually. If you can spend a few minutes each day using hair tonic to save your hair, can't you spend a few minutes on election day to save your scalp?"

Pioneers in Design and Development

Modern 35,000 square foot plant built in Wilton in 1959.

■ EARLIER this year, Elton T. Barrett, president, CGS Laboratories, Inc., Wilton, Connecticut, announced that the company would carry on its operations under the name of Trak Electronics Company, Division of CGS Laboratories, Inc. The principal reasons for the change were the adoption of a name by another company similar to the CGS Laboratories' name, a desire to avoid the limitations implied by the word "Laboratories," and to facilitate promotion of the trade mark "TRAK," which has wide acceptance in the trade.

Trak Electronics Company had its beginning in 1946 in the consulting services of Carl G. Sontheimer, presently chairman of the board, operating on a personal and home-laboratory basis. Mr. Sontheimer, a graduate of the Sorbonne of Paris and Massachusetts Institute of Technology, had already exhibited his inventive abilities while managing research projects in other companies. Over twenty U.S. patents have been issued to him.

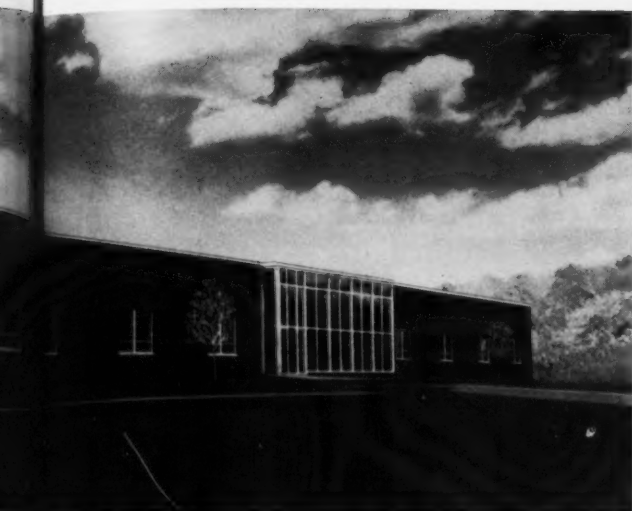
By late 1947, this consulting business had grown to such an extent that it was necessary to move into larger quarters, at which time the business was incorporated under the name CGS Laboratories, Inc. Between 1947 and 1950, research work was carried on for industrial companies by Mr. Sontheimer and the engineers he had added to his staff. During this same period he developed a miniature microwave S-band oscillator cavity. This was of such interest to the Signal Corps that the new company was given a research and development contract to make further improvements on this device. The project was successful, and thousands of these cavities are now in use in military equipment.

Assembly of a TRAK antenna switch.



Carl G. Sontheimer in a discussion about TRAK Multicoupler development.





Testing a TRAK model 4 antenna Multicoupler, which connects ten receivers with one antenna.



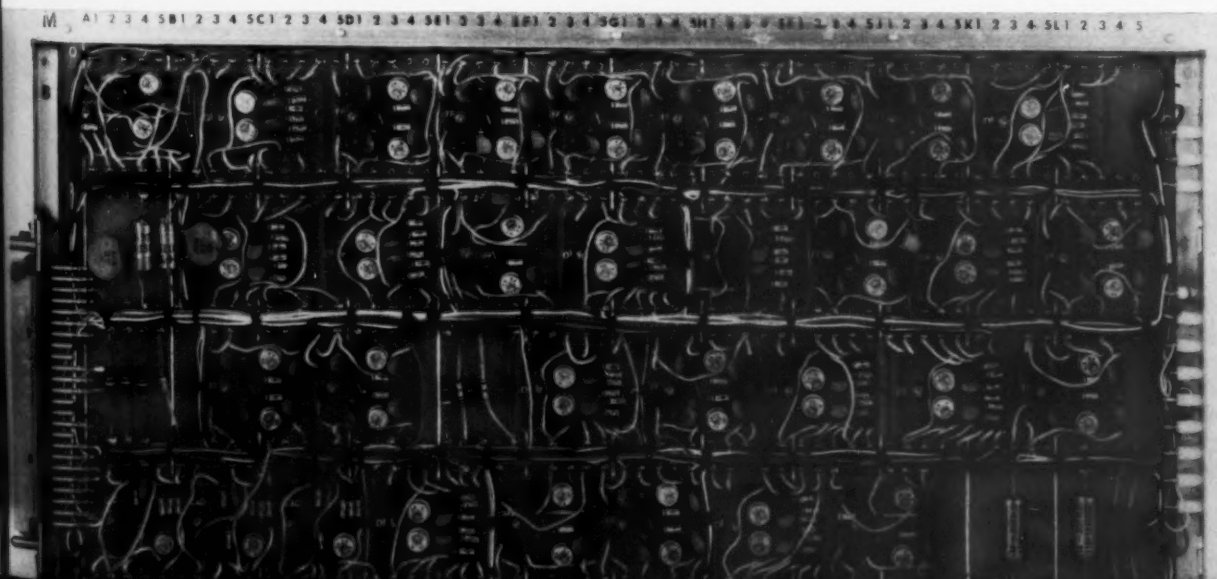
Association of Old Crows

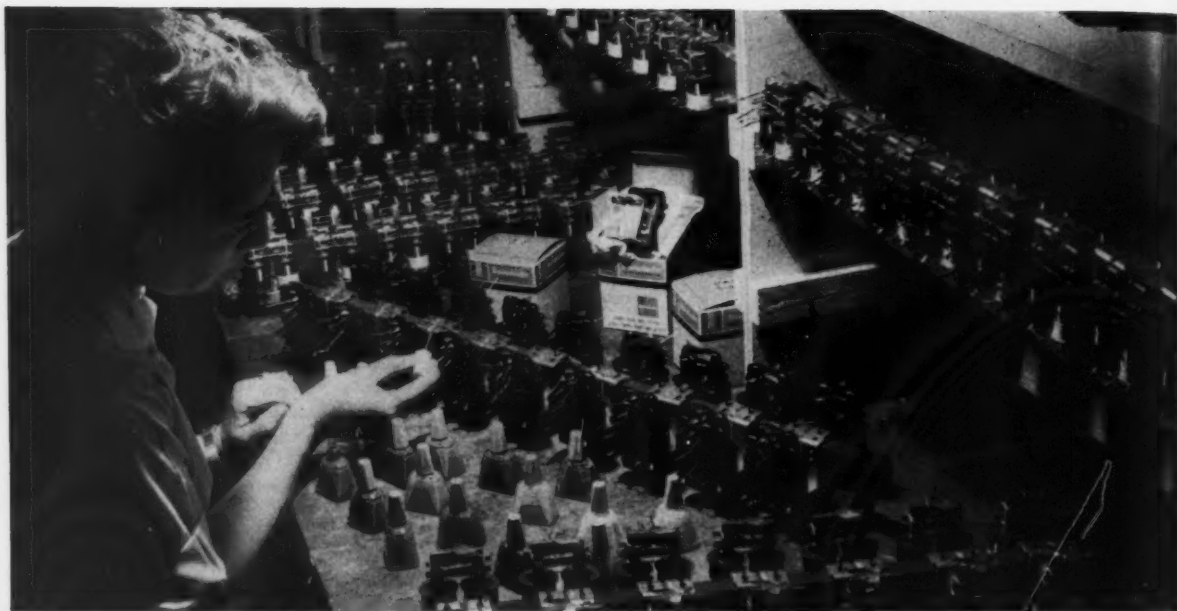
HEADQUARTERS AT
TRAK ELECTRONICS COMPANY
DIVISION OF CGS LABORATORIES, INC.
WILTON, CONNECTICUT



New INCREDUCTOR Controllable Inductor, one-fourth size of previous units. (Below) One of parallel plug-in boards in code converter.

card for members of the "Association of Old Crows."





Color Coding INCREDUCTOR controllable inductors.



Impact grinding a slot in a ferrite core.



Navy personnel in training on TRAK Morse-to-Teleprinter code converter.

In 1960, the company announced a new S-band cavity that was considerably smaller than the original, which had a range of 2700-3300 megacycles. Now, TRAK builds microwave cavities anywhere in the 800-7000 Mc range.

The early period of the company also saw the underlying research which led to the development of the INCREDUCTOR Controllable Inductor. This versatile device, a basically new electronic component, emerged from the application of low-frequency electronics. By making available to the circuit designer a high-frequency inductor capable of wide and rapid inductance changes, this controllable inductor opened the door to the solution of a multitude of design problems which awaited the introduction of such a flexible component. The armed forces were quick to see the advantages of this novel inductance unit, which has no moving parts and a virtually unlimited life; a number of contracts resulted with the specific purpose of developing equipment that could make full use of the potentialities of the new inductor. The year 1951 marked the beginning of the commercial sale of the INCREDUCTOR units to the electronics industry. Its widespread acceptance has resulted in continuing expansion and refinements of the available line as well as the creation of many special purpose units.

By 1950, the company had again outgrown its quarters and moved to a plant in Stamford. Another move was necessary later and additional space was taken in a Ridgefield plant.

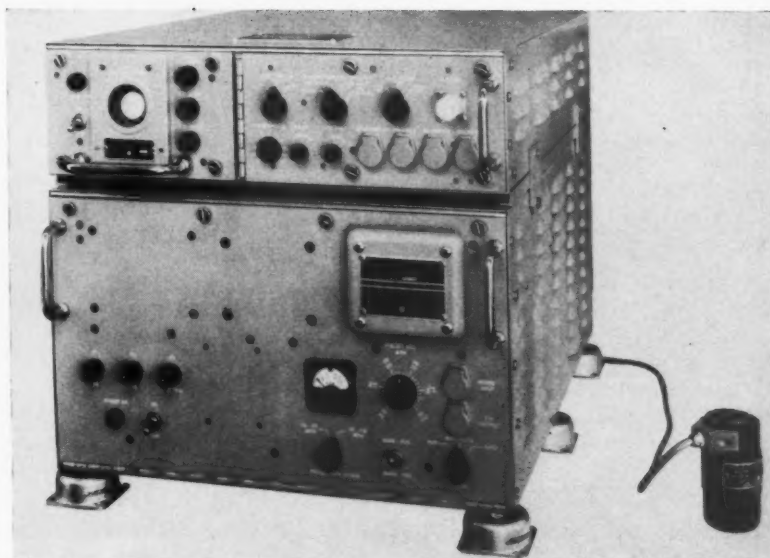
Then, the present plant was built and occupied in the fall of 1959.

TRAK has pioneered in the application of automation to the communications industry with its line of Communications & Reconnaissance products. This equipment makes substantial contributions to communications accuracy and reliability by the application of electronics to functions usually performed by human operators.

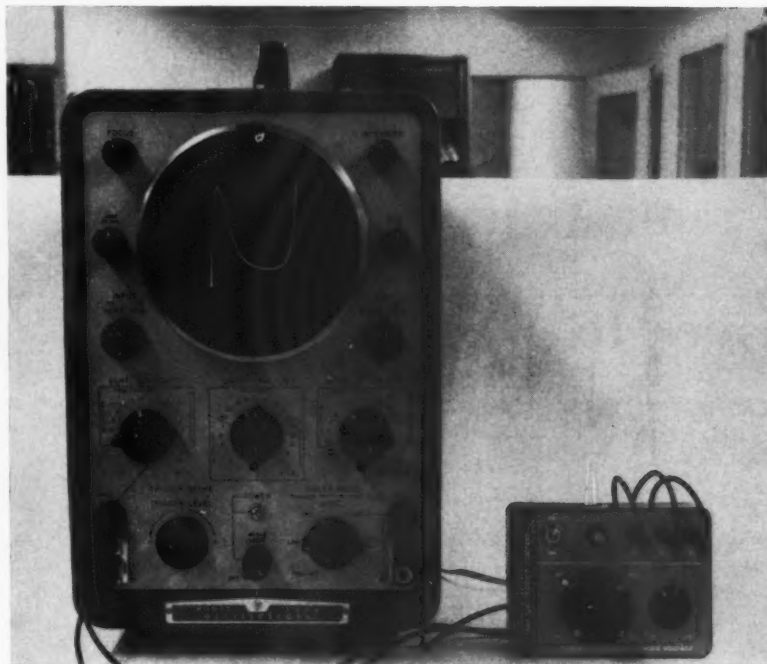
The TRAK Morse-to-Teleprinter Code Converter is a revolutionary, all-electronic computer, which converts standard Morse code transmissions into teleprinter pulse code for immediate conversion into printed page copy or for relaying via standard teleprinter facilities. The code converter compensates automatically for changes in Morse transmission speed and can handle messages at rates up to 600 words per minute, although this speed exceeds the capabilities of existing teleprinters. Earlier models of TRAK Morse-to-Teleprinter Code Converters were constructed with vacuum tubes and were therefore relatively large and required considerable operating power. During the past year, a new unit was designed using transistors. These equipments are smaller in size and require less power for operation. For instance, all components now are mounted on a series of parallel plug-in boards to simplify operations. This board occupies only 15 inches of height in a 19-inch wide relay rack, yet is capable of performing the tasks formerly delegated to a unit 77 inches high containing 92 tubes, 62 magnetic cores, and 448 neon lamps.

Other products of the Communications & Reconnaissance Department are: Antenna Multicouplers, Antenna Switches, HF Antenna Amplifier, Couplers, and Panoramic Receivers. TRAK Electronics also manufactures electronic equipments for other companies, and the new plant was planned for all types of electro-mechanical manufacturing. It is one of a limited number of contractors qualified to perform electronic countermeasures QRC (Quick Reaction Capability) Contracts for the Air Force. The unique feature of this is that it requires design and production of classified electronic equipment, in a very limited period, which can be depended upon for reliable operational use.

TRAK is the headquarters for the Association of Old Crows, which was established in the Spring of 1957 to recognize the spirit that exists among those concerned with countermeasures. The name of the group was derived from the code word "Raven," used in World War II as a synonym for countermeasures. It since has been



New all transistorized code converter.



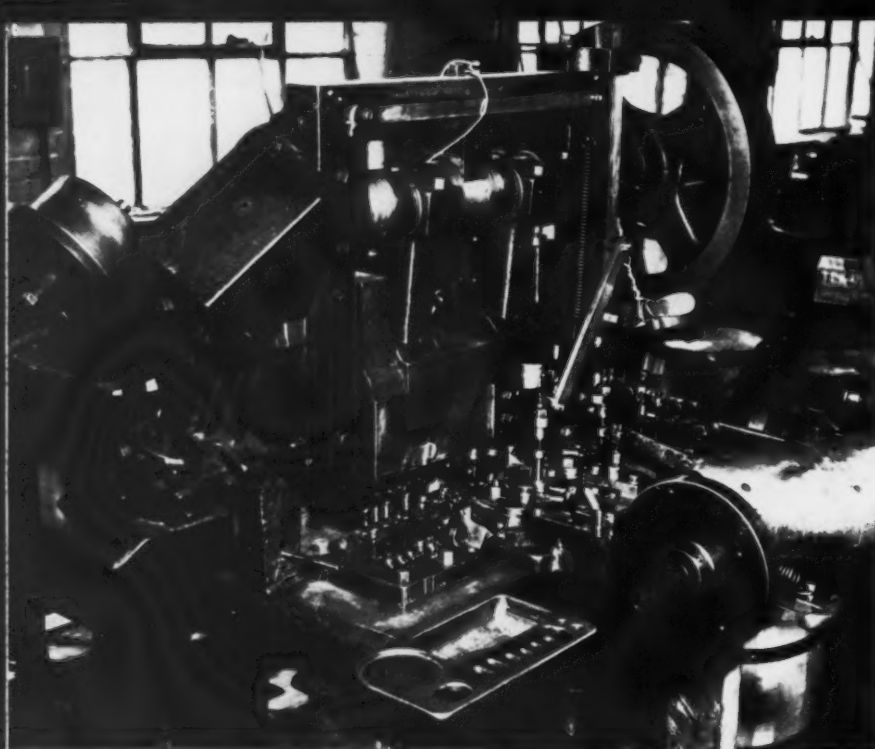
TRAK curve tracer in use with a laboratory oscilloscope for testing tunnel diodes.

modified to "Crow" by countermeasures old-timers referring to themselves as Old Crows.

Plans for the future growth of the company are centered around a program of new product development and the continuation of an efficient manufacturing organization. The company recently announced the first all-transistor antenna multicoupler—the culmination of three years of development. During the coming year the company plans to spend \$150,000 de-

veloping new products and \$50,000 on product improvement.

In addition to manufacturing its own proprietary products, the company plans to continue electronic manufacture for other companies. Such job shop work, taken on a competitive basis, provides information useful in evaluating company efficiency. This policy reflects the optimism of the management that well-directed skilled engineering in combination with efficient production facilities will lead to profits and growth.



First machine designed and built in this country for manufacture of sew-on snap fasteners, given by the American Fastener Co., Waterbury, to Smithsonian Institution. It was manufactured by the John Draher Machine Co., Waterbury.

Connecticut Machinery Goes to Washington

By SANDO BOLOGNA

■ MACHINES which helped to whirl Connecticut into world industrial leadership will be enshrined in Washington, D. C. More than 40 priceless relics have been removed from Connecticut factories and sent to the Smithsonian Institution. They will be prominently displayed in the Hall of General Manufacturing when the \$36 million History and Technology Museum is opened in 1962.

The Manufacturers Association of Connecticut assisted in the search for historic industrial items through publishing a request in the January 18th issue of its Business Round Up bulletin asking industrialists to donate their antique machines of historical value to The Smithsonian Institution. The response was enthusiastic among museum-minded executives who are proud of Connecticut's

high reputation for mechanical ingenuity and inventions. One offer of machinery came from England.

The fascinating assignment of locating and obtaining Smithsonian displays is being carried out by William C. Cleveland of Watertown. An earnest student of Connecticut industry, Mr. Cleveland was appointed in May, 1959, part-time consultant for Smithsonian's Department of Arts and Manufacturing. He was well qualified for the post, having absorbed a wealth of knowledge on machinery during 41½ years with the Scovill Mfg. Co., Waterbury. He had held many positions at Scovill's and when he retired in December, 1958, he was chief mechanical engineer.

He had learned much about museum research methods as chairman of the Industrial Museum Committee at

Waterbury's Mattatuck Historical Society. He was the guiding force in the establishment of the Industrial Museum in Waterbury in 1959 with displays from Naugatuck Valley industries, according to Rawson W. Haddon, society director.

Mr. Cleveland contacted 150 firms for ancient machinery which would highlight the story of Connecticut industry in the new museum rising on Washington's Mall. When he called at company offices, he was informed by some executives that they had learned about his mission from the Association bulletin. A few manufacturers had volunteered or set aside machinery before he arrived at their offices.

"Most of the machines for Smithsonian," says Mr. Cleveland, "have come from the Naugatuck Valley where metal fabrication methods were developed by far-sighted Americans and imported skilled operators. All were in good working condition, having been tooled and repaired by the owners. Not one manufacturer asked for payment. All machines were transported to Washington by trucks hired by Smithsonian."

"Many more machines are under consideration," he pointed out as he reviewed the list of museum-bound pieces. "Some are earmarked (for the museum) when they become surplus. Other machines are coming from Massachusetts, New York, Pennsylvania, Ohio and Missouri."

The Waterbury Buckle Co. presented to the museum one of the first four-slide wire-forming machines built in this country about 100 years ago. It was built in Waterbury by the old Manville Machine Co. and it is in working condition for production of suspender loops. A duplicate machine is in the Mattatuck Industrial Museum.

The American Fastener Co., Waterbury, donated the first automatic machine designed and built in the United States to produce snap fasteners. It was built by the Draher Machine Co., also of Waterbury, under the supervision of Max F. Kiessling, 87, who is president of American Fastener.

Another "first" from Waterbury to Washington is the first machine built for attaching buttons which is tooled for attaching eyelet buttons, given by the Patent Button Co. This firm also gave a semi-automatic and a fully automatic attaching machine for attaching "tack buttons" to work garments.

Other contributions from Waterbury were:

From Scovill Mfg. Co. — an early machine for attaching "gripper fasteners" and production tools for components and an automatic ma-

chine for attaching reinforcing "burrs" to work garments. Also donated was an eyelet machine, a burnishing lathe an old drop stamp and foot press — all used for production of buttons.

From Waterbury Companies — a group of machines tooled for production of uniform buttons and two paper box-making machines, well over 100 years old.

From Waterbury Tool Co., division of Vickers, Inc., an original hydraulic speed change gear unit, the forerunner of fluid transmissions.

Torrington's contribution consisted of a power press of unusual design used by the Union Hardware Co. to produce part of an ice skate. This press was built in 1850 by Alfred Baker of Harwinton. Also from Torrington came three machines tooled to produce machine screws by heading method. They were gifts of the Progressive Mfg. Co., division of The Torrington Company, which was bought in August by Pheoll Mfg. Co., Chicago.

In Beacon Falls, the Ideal Pin Co. gave an early design automatic machine for producing safety pins.

From neighboring Ansonia, the Ansonia Mfg. Co. offered one of the earliest Davenport multiple spindle automatic screw machines used to produce machine screws by the "cutting method."

Derby's Gordon Associates presented an early machine for knitting "ribbed stockings."

Shelton Tack Co. gave an automatic machine for producing cut tacks while the Star Pin Co., also of Shelton, donated an automatic machine which made common pins for more than 100 years.

Bridgeport's industries are represented by a Brown & Sharpe single spindle automatic screw machine from Casco Products Corp., used to punch out machine screws.

New Haven Clock Co. shipped an old drop stamp and a cornice brake of wooden construction. Also from New Haven were tools and equipment for a blacksmith shop, presented by Hogson and Pettis Co.

In Southington, the Peck, Stow & Wilcox Co. offered the first metal shear built in the United States, together with four other items of machinery, over 100 years old, used for production of tinware.

Northfield Knife Co., in Northfield, submitted several equipment items which will form the basis for a museum "knife shop" of a century ago.

From Glastonbury come two soap kettles used for boiling soap more than 100 years ago. The kettles, given by J. B. Williams Co., were made of copper sheets with "lap and lock seams."



Raymond V. Havican, general foreman of the Attaching Machine Dept., Scovill Manufacturing Co., checks shipping ticket on two machines which are going to the Smithsonian Institution. At the left is an attaching machine for gripper prong and socket, in use since 1899; at right is attaching machine for reinforcing burr and rivet, in use since 1903.



William C. Cleveland, consultant for Smithsonian Institution's Department of Arts and Manufacturing, points to the smooth seams in a copper soap kettle donated by the J. B. Williams Co., Glastonbury.



Unveiling plaque dedicating new Setlow plant to Joseph Setlow, father of the president, is Mrs. Joseph Setlow, Herbert Setlow, president, left of plaque and Governor Ribicoff.

NEW SETLOW PLANT DEDICATED

■ On July 29, Gov. Abraham A. Ribicoff unveiled a plaque and dedicated the new \$200,000 M. Setlow & Son, Inc. office and industrial buildings on Indian River Road, Orange, Connecticut, one block from the Boston Post Road (U.S. Route 1) in the presence of company employees, officials of Orange and a number of distinguished guests.

The plaque honors the memory of

Joseph Setlow, a founder of the nationally known firm which specializes in the manufacture of work clothes. He was the father of Herbert D. Setlow, president of the company.

In his prepared remarks the Governor lauded the firm and its decision to remain in Connecticut after it was forced to move from its New Haven location to make way for the Wooster Square Redevelopment Program.



The \$200,000 plant of M. Setlow & Son, Inc., manufacturers of work clothes, was formally opened in July. The one-story structure covers 17,000 square feet, is completely air conditioned.

President Setlow, in a brief talk, said that "in building this modern air-conditioned building, we reversed a trend in the work clothes industry which has been moving to Southern locations.

"We have weighed the facts carefully and our willingness to place our investment in this area is an expression of our confidence in the future of Southern New England."

The ceremonies, which began at 11 a.m., were followed by a buffet luncheon and tour of the factory, which employs 85 men and women. Later the one story, 17,000 square foot building was opened to the general public between 2 and 5 p.m.

M. Setlow & Son, Inc., also operates a factory in Prosperity, S. C.

The company, one of the oldest manufacturers of work clothing in the United States, was founded in Montville, Conn., by Moses Setlow, and his son, Joseph, in 1896. They moved to New Haven the following year.

The new building was designed by Eben B. Wooley, Milford and New Jersey architect. It has off-street parking and is in keeping with the rural atmosphere of the area.

In a recent interview about the decision to relocate in Orange, only about five miles from New Haven, Mr. Setlow explained that the Wooster Square Redevelopment Program turned out to be the welcome force that "has given us the finest work clothing production facilities in the East."

He added: "Demand for Setlow work clothing has increased so that in the last three years our volume of business has doubled. Our other factory in Prosperity, S. C., has been enlarged this year to produce work pants as well as work shirts for the volume market.



Herbert D. Setlow, president of M. Setlow & Son, Inc., Orange, explains a point in the company's procedure of manufacturing to Governor Ribicoff.

What Can We Do About Government Spending?

By FRED ROGERS FAIRCHILD

Knox Professor Emeritus, Economics, Yale University

Editor's Note: Although C.I. asked Professor Fairchild for an article that would give up-to-the-minute figures on government expenditures, together with his recommendations for reducing them, we have accepted an article written by him on the same topic and published in 1957 in the copyrighted *Tax Review*, a publication of the Tax Foundation, Inc., because of the present impossibility of undertaking the truly immense job of collecting up-to-date figures. Even though the figures are three years old they are sufficiently startling to demonstrate conclusively the need for a vigorous and courageous attack upon the ever-growing expenditures and debt of our national government that threaten certain destruction of our republic unless the present trend is soon reversed.

Professor Fairchild says such expenditures can be reduced by more than \$10 billion annually without limiting any essential function of the Federal government. Such a saving would not only cover added defense costs, but would make possible substantial reductions in confiscatory tax levels and the dangerously high national debt.

■ LAST spring and summer there was much discussion of the Federal government's budget, marked by keen interest on the part of the public and a real grass roots demand for reduction of government spending. It would appear that a good many people have learned that mere protest against burdensome taxation is getting us nowhere—that the only way to reduce taxes, while avoiding the even worse evils of inflation is by reducing government expenditures. This was something new to our experience, and most encouraging.

But what do we have to show for it?



DR. FRED ROGERS FAIRCHILD

The mid-year estimate of expenditures in the Federal budget for 1958 (including the major trust funds) is nearly \$83 billion, four billion more than the actual expenditures in 1957. If under unusually favorable conditions this is the best we can do, then some more fundamental attack would seem to be indicated.

Prerequisite to such attack is recognition of the revolutionary change in the Federal government's fiscal situation which has taken place within the past generation.

The termination of World War I brought a reduction of Federal expenditures from the war-time peak of \$18½ billion to an average of \$3¼ billion in the first post-war decade. War taxes were promptly reduced. Post-war expenditures were kept well below revenues, so that in 11 years the gross national debt was brought down from its war maximum of \$26½ billion to \$16 billion, a reduction of nearly two-fifths of the debt, at the rate of nearly a billion dollars a year. Here we have a picture of what we used to regard as normal post-war adjustment.

ABOUT THE AUTHOR

Dr. Fred Rogers Fairchild, nationally-known economist, has been associated with Yale University since 1904. He became professor of economics in 1913 and professor emeritus in 1945. He has served on numerous tax commissions and as tax adviser to the republics of Santo Domingo and Columbia and the Territory of Hawaii. He was director of the U. S. Forest Taxation Inquiry, 1926-35; president of the National Tax Association, 1929-30; vice-president of the American Economics Association, 1923 and 1932 and a member of the Committee on Federal Tax Policy. For a number of years Dr. Fairchild was also Tax Advisor to MAC. His textbooks on economics are familiar to students across the nation.

Now let us consider the corresponding record of World War II. During this war, expenditures rose from some \$9⅔ billion to a peak of \$100 billion. A decline to \$35 billion in 1948 was reversed by the Korean conflict. Since 1955 expenditures have been rising to the present figure in the 1958 budget of \$83 billion (including the major trust funds). This is only \$17 billion below the war-time peak.

Prior to World War II taxes were running at the level of \$5½ billion a year. They rose to a war-time peak of \$42¾ billion in 1945. They dropped slightly during the next five years. Thereafter they increased, till in 1957 the tax take was \$77 billion, 80 percent greater than was collected at the war peak.

However, expenditures have exceeded even this unprecedented level of taxation, and deficits have been incurred in seven of the 12 years since 1945. The gross national debt rose from \$43 billion in 1940 to a war-time peak of \$279 billion in 1946. Today it

is pressing hard on the present legal limit of \$275 billion.

Here is the picture of fundamental change in our Federal government's finances. Our last war has not been followed by the "normal peacetime" adjustment. Instead we see, in the present period of "peace", Federal expenditures only slightly below the war-time level, Federal taxes actually 80 per cent higher, and the national debt, not in process of being paid off, but on the increase.

It may be that we shall never again experience the old-fashioned post-war era of peace. Defense costs can no longer be regarded as emergency expenditures. So far as we can now foresee, they are probably destined to remain high.

This does not mean that there is no room for careful cutting of costs. There is plenty of evidence of waste and extravagance in the spending of the Department of Defense; witness for a single example the competition and duplication of effort among the three arms of the military service. And in view of present demands for speeding up our missile-satellite program, we should not forget that to reach our goal it is not enough merely to spend a lot more money.

Moreover, the responsibility for present high and increasing expenditures by no means rests on defense alone. In 1957, defense costs, in which I include "international affairs and finance", accounted for 55 percent of total expenditures, and non-defense expenditures, 45 percent. In the three years 1953-1956 defense expenditures actually declined by \$10 billion while non-defense expenditures were increased about \$5 billion.

It is in the non-defense part of the budget that the real opportunity for saving lies, and I would suggest three basic principles which should guide us.

Basic Principles Determine Essential Functions

Government is necessary; it has certain functions which the individuals cannot so well perform for themselves. But by the same token, government should be limited to these functions. No government should be authorized to do for the people those things which the people can equally well do for themselves.

The second principle is that, in the American concept, the government is created by the people, and the ideal government is that which best expresses the will of the people. The closer the government is to the people, the easier it is for them to express their will and to see that government carries it out. It follows that every function assigned to government should be

performed at the lowest practicable level.

The third principle has to do with the sovereignty of the American states. Our government is not a democracy in the strict sense. It is a republic, with sovereign government at two levels; the national government, limited to those functions delegated to it by the states in the Constitution; the states the residual holders of sovereign power.

This division of sovereignty and separation of powers was conceived by our founding fathers as one of the means to preserve the liberties of the people from an over-powerful government. By the Revolution they had acquired their freedom from a tyrannical English government, and they did not propose to lose it to the new government of their own creation. The soundness of their judgment has been amply demonstrated by experience. We need to be on our guard lest our Federal government's expenditures and tax exactions weaken and eventually destroy the sovereignty of our states.

In applying these basic principles to the problem of the Federal government's non-defense expenditures, the reader should be warned that this will mean a radical departure from prevailing attacks upon heavy government spending. Most of the recent discussion has gone on the theory that cuts must not be applied to government projects authorized by Congress. But this is the very place where cuts must be made if we are to accomplish anything. Here are some of the more important areas where that could be done.

The Federal government is in the lending business to an extent that fairly staggers the imagination. The total of the government's outstanding direct loans and guarantee and insured loans as estimated for 1958 is \$85 billion.

According to the basic principles which I have suggested, lending money has no place among the essential functions of the government of a free nation. Government has no source of loanable funds except what it takes by force from the people, through taxation, or obtains by first going itself into debt. The capital funds of a free people are loaned more equitably and more economically by their private owners, and we have banks, insurance companies, and other investment agencies well equipped to do the job.

Production of electric power has become one of the major functions of the Federal government. In the period from 1925 to 1956 the government's share of electric energy production climbed from less than one-fifth of

one percent to over 14 percent of total United States production.

The character of the federal government's power business may be shown by the record of the Tennessee Valley Authority. TVA was inaugurated in 1933 as a "river development", with flood control and navigation as its primary objective; incidental electric power generated at the dams was to be sold to residents of the area. However, with the progress of time, production of electric power has steadily increased, until today four-fifths of TVA's investment is devoted to the electric power business, and nearly three-fourths of the power is produced by steam plants.

TVA has obtained its capital from money appropriated out of the United States Treasury and retained earnings from the sale of power. The amount of these appropriations on June 30, 1956, was just under \$1½ billion, of which only \$145 million had been repaid to the Treasury. No interest has been paid to the government on this money. Such unpaid interest had amounted to \$357 million by June 30, 1956.

TVA is moreover exempt from all taxes to Federal, state, and local governments. "In lieu" of state and local taxes, it makes certain payments which, in proportion to gross plant investment, are only one-tenth of what private electric companies pay in state and local taxes.

By charging rates below cost and below what private companies can offer, TVA renders a valuable subsidy to the people in its territory; in short, they are getting their electricity at about half price, and the nation's taxpayers are making up the difference, about \$90 million a year.

If TVA were sold to the public, a gross favoritism would be removed, the United States government would be relieved of the annual direct cost of over \$19 million and of making further appropriations for its power business, and the nation's taxpayers would be the gainers on account of the taxes which the private owners would then pay.

Some Functions Favor Special Groups

The largest of all the government aids to special domestic groups is the veterans' program, which calls for almost \$5 billion in the 1958 budget, \$188 million more than is presently estimated for 1957. This item has been consistently over \$4 billion a year in the last five years.

Of the \$3 billion for compensation and pensions, more than \$1 billion will be paid to veterans and veterans' families for disabilities and deaths not re-

(Continued on Page 27)

Can America Be Saved?

By Dr. N. Burnett Magruder

Editor's Note. In this issue C.I. is publishing the first article in a continuing series by Dr. N. Burnett Magruder, an ordained minister, a fearless crusader for freedom and executive secretary of the Louisville Council of Churches, Louisville, Kentucky. The Kentucky *Farm Bureau News* and *Action in Kentucky*, newspaper of the Associated Industries of Kentucky, are also publishing the series. C. H. Fields, editor of *Farm Bureau News*, says of Dr. Magruder, "He is no ordinary minister. He has recently proved that he is one of the most courageous ministers in the country and a determined apostle of the private economic system based on the worth and opportunity of the individual, rather than the collectivist welfare state." Of this new series, Mr. Fields said, "It will come as a badly needed antidote to those who seem to believe that the welfare state is merely an extension of the brotherhood taught by Christ; and even that the principles of communism taught by Marx, Engels, Stalin and Khrushchev are based on the New Testament. A first series of 18 brief articles published in *Action in Kentucky* during 1959 has been published in book form and is available at \$1.00 per copy from Publisher's Printing Co., P. O. Box 324, Shepherdsville, Kentucky. One article in the series dealing with the charges of communism in the churches, brought down the ire of several ministers in the Louisville area upon Dr. Magruder, but they failed, despite strong effort, to oust him as head of the Louisville Council.

■ DO you think the title of this article is too alarmist? If so, you need to think again. Today the American nation stands in an hour of peril which can be compared only with the dangers of the days of Valley Forge and George Washington or the times of Abraham Lincoln and the Civil War.

The danger can be stated in this manner: on the one hand the enemy is more ruthless, powerful and deadly. On the other hand, the moral strength of the American people is not mobilized and energized to meet the demand of the times. What are some of these demands?

Conspiracy Not New

The American people still have not recognized the nature and purpose of the world-wide Communist Party. The Communist conspiracy is not new. Only its tactics are new. The strategy never changes. The world program of Communism has been openly proclaimed ever since the days of Karl Marx and Friedrich Engels in the publication of the *Communist Manifesto*. When will we learn?

It is practical folly to speak of peaceful co-existence" between American freedom and Communist tyranny. The term "peaceful co-existence" is a



DR. N. BURNETT MAGRUDER

Communist phrase which designates a period of Communist penetration without the use of military power. It is a form of war — a war with weapons other than guns. Our immediate objective must be to win the war with Communism without the use of guns. But how can we win a war which we are not willing to recognize?

Failed Responsibility

The American people have not ac-

cepted the responsibility of freedom on the home front. It is now a political axiom that no politician can be elected who does not promise more of the "good things of life" by which is meant more conveniences, more luxuries, more benefits. We are in the grip of the "pleasure principle" in government and in daily life. Such a form of life cannot produce character neither can it save a nation. Government cannot save us. Yet that is where we are looking for salvation. The government will never save the Constitution—the people must save it.

The Constitution will die unless it lives in the heart of the people. Salvation by government is a form of idolatry and totalitarian faith. What difference does it make whether or not we call it Communism? The end result will be the same.

Threat Is Immediate

This danger and this immediate threat is the reason we must look to the right place and the RIGHT PERSON for salvation both of the individual and the nation. "Except the Lord build the house, they labor in vain that build it. Except the Lord keep the city, the watchman waketh but in vain." (Psalm 127:1)

Who is the Lord in this passage of Scripture? To whom should we look for the saving of the nation? None other than Jesus Christ to whom God has given the authority and rule of the nations of the earth. The American system of government and the demands of our times cannot be met without the Lordship of Jesus Christ. Let us see how He can save us. He alone can put within us a desire to serve God instead of man. This will breathe a new spirit into American politics. Moral regeneration depends on the Spirit of God. Only in this way can the pleasure principle be defeated.

A Compelling Mission

The power of Christ will enable us to know our right hand from the left. The Communist Party and totalitarian government must oppose Christ because they seek the rule and submission of all people.

(Continued on Page 32)

PROTECTION IN DEPTH

How it helps cut compensation costs



Has dermatitis cropped up in your plant?

A thousand new industrial uses of caustics, acids and solvents make dermatitis today's No. 1 occupational disease. Often it causes lengthy disabilities, disrupts plant operations, boosts compensation insurance rates.

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preventing skin contact with highly toxic materials.

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News Forum

This department includes a digest of news and comment about Connecticut industry of interest to management and others desiring to follow industrial news and trends.

♦ THE BULLARD CLARK COMPANY of Danielson, established 90 years ago, has broken ground for one of the most modern manufacturing buildings in the area.

The plant, which is expected to be completed and in operation late this fall, is to be located on a tract of 125 acres approximately 200 yards north of Alexander's Lake in Dayville. The production will consist of mechanical rubber goods and the building will be a branch of Jacobs Rubber Division.

The new plant will augment, and not replace, the rubber production activity in the badly congested buildings which the company maintains in Danielson. It will be located on a tract of land containing 39 acres which will provide ample room for expansion of the first increment of the plant of 30,000 square feet with projected expansion up to 100,000 square feet.

Several compelling circumstances were said to have caused the company to establish an additional manufacturing facility at this location: The Connecticut Development Commission has designated as an industrial park that

general area north of Alexander's Lake; it is parallel in the westerly direction to the new Connecticut Turnpike connection; it is immediately adjacent to the New York, New Haven & Hartford Railway line from

New London to Worcester, has high tension lines of the Connecticut Light & Power Company running through the property, and flat table land requiring no grading.

♦ CHASE BRASS & COPPER COMPANY, Waterbury, has inaugurated a new packaging program for its flat rolled products in coils (brass and copper). The new paper is designed to keep products shipped to warehouses and customers spotlessly clean.

The tan paper is 115 lb. weight, and has printed on it the Chase name in yellow, and the Chase trademark (a centaur) in red. The paper consists



Those attending the Bullard Clark Co. ground-breaking ceremony, left to right: John C. Driscoll, Connecticut Development Commission; Edward J. Bullard, chairman of the board, The Bullard Clark Company; Lester E. Fitzpatrick, president, The Danielson Industrial Foundation; J. Edgar Moe, Bullard executive vice president and Charles E. Wrinn, The Connecticut Light and Power Co.

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♦ AN EIGHT-PAGE bulletin which provides a rapid check list for electrical conductivity ratings of 56 copper alloys has been published by Bridgeport Brass Company, Bridgeport. Listed also are available mill shapes for each alloy (sheet, rod, wire, tube) and typical uses in electrical and electronic apparatus based on physical and mechanical property characteristics.

Alloys are divided into nine groups: Coppers, brasses, non-leaded brasses, tin brasses, phosphor bronzes, cupro nickels, nickel silvers, silicon bronzes and aluminum-silicon bronzes. The bulletin also lists technical data sheets available from the company which, in conjunction with Bridgeport's Technical Handbook, provide more detailed information on the alloys described.

Copies of the bulletin, "Bridgeport Metals for Electrical and Electronic Apparatus," are available from the company.

♦ "GOLD-BONDED" contacts, with all of the advantages of gold contacts, plus economy, are now available from Contacts Incorporated, Wethersfield.

They provide longer contact life, fabricating advantages and greatly improved product performance, according to the manufacturer.

The basic purpose of using gold as a contact material is to eliminate the formation, on the surface, of the various sulphides and oxides which create undesirable circuit resistance. The break-through in gold-bonded contacts, developed by Contacts Incorporated, is not a plating process and is not subject to any of the normal disadvantages of plated gold contacts. They are said to materially reduce the cost of electrical contacts and assure freedom from over-plating, scaling, peeling and blistering. They are used in place of high cost materials such as Platinum, Gold and Palladium.

The contacts are available in any standard button or rivet size and shape, and in the new ball contact shape and will also be manufactured to customer's specifications.

♦ THE PROMOTION of Robert W. Foster to residential sales manager of The United Illuminating Company, New Haven, has been announced by Laurence A. Dunn, vice president.

At the same time, Mr. Dunn announced the appointments of George E. Carter as supervisor of new building sales, succeeding Mr. Foster, and

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John P. Callahan as assistant to the residential sales manager.

◆ **THE WARNER BROTHERS COMPANY**, manufacturer of foundation garments and packaging, has arranged to purchase the assets of C. F. Hathaway Company, long a leading maker of men's and women's shirts.

The purchase will be made from an investment group headed by Samuel J. Holtzman, Baltimore.

"Warner's and Hathaway are outstanding quality brands in their respective fields," John W. Field, president of Warner's stated in commenting on the acquisition. "Their association, the unprecedented linking of a leading women's-wear and a leading men's wear company, will strengthen both. Through Hathaway, Warner's will obtain desirable diversification and increased earnings. From Warner's, Hathaway will obtain backing for future growth and better service to customers, and experienced assistance in the marketing expansion of Lady Hathaway women's shirts."

Mr. Field stated that no changes are planned in Hathaway management, or in the company's merchandising, manufacturing or distribution policies and procedures.

Hathaway, founded in 1937, employs approximately 1,000 persons in factories located in Waterville, Maine, and Lowell, Massachusetts. Hathaway and Lady Hathaway shirts are sold in over 1,000 stores across the country.

◆ A NEW "liquid magic that works wonders with metal windows that won't work" has just been announced by Dynamic Chemical Company, Inc., Danbury. President Walter Wolk announced the new development.

Called Cinch Metal Window Ease, the solution is bottled in a translucent squeeze dispenser with turret spout that directs the chemical into aluminum or steel window and door channels. After a few minutes, it frees the stickiness that locks movement of double hung, sliding horizontals, jalousies and casement metal windows. It is said to work equally well in hot or cold weather and leaves no residue to form gum or become tacky.

◆ A NEW explosion proof Slo-Syn Synchronous Motor has been announced by The Superior Electric Company, Bristol. Designated type X250, it is used to provide safe operation in hazardous areas where a small arc or spark could cause an explosion.

The term "explosion proof" means that the Slo-Syn case will withstand internal gas and vapor explosions and is designed to prevent the ignition of surrounding external gas and vapor by internal spark, flash or explosion.

◆ **SCOVILL Manufacturing Company**, has purchased the assets of International Couplings, Inc., Division of The Gabriel Company, Cleveland, Ohio.

The products formerly manufactured by International Couplings, Inc. will be consolidated with Scovill's line of industrial couplings manufactured in Waterbury and sold by Scovill's sales force.

◆ **REEVES SOUNDCRAFT CORPORATION** videotape is being used aboard the U. S. nuclear submarine Sea Dragon with the first undersea magnetic videotape recorder. The

videotape will record and store data on under-the-ice characteristics of icebergs and ice flows through use of externally installed television cameras. When the Sea Dragon returns to its base, the recorded information will be used to speed navigation training of U. S. Navy Submarine personnel.

According to Frank B. Rogers, Jr., executive vice president of Reeves Soundcraft Corp., Danbury, the magnetic tape was also used in the development of the RCA undersea recorder.

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sion, Wallingford, has announced that the division's executive offices have moved from from 30 Rockefeller Plaza, New York to the administration building at Wallingford. The move involved over 40 people in the division's executive, general sales, merchandising, sales promotion, advertising, manufacturing, technical and accounting departments.

American Cyanamid is a major producer of plastics and resins in the United States. The Wallingford plant is the largest in the division, employing about 1,000 people.

◆ **INDUSTRIAL LEADERS** concerned with building new plants or modernizing older facilities will get an opportunity later in the year to hear how one of the world's leading companies solves these problems.

A team of engineers of the E. I. du Pont de Nemours & Co., Inc., headed by M. F. Wood, the chief engineer, will comprise a panel on the topic "Determining the Best Facility for a Company's Needs," at the Industrial Building Exposition & Congress to be held at the New York Coliseum, December 12 through 15.

The du Pont construction organization, considered by many to be one of the most effective in the country, will describe the methods it used to get agreement on requirements from all executives involved in the construction of one facility.

A check list will cover the five major areas: Getting management to spell out its objectives from the standpoint of the product or service in the new facility and the flexibility and expansion requires; the internal coordination required to insure that the project moves efficiently; getting departments to spell out their requirements; translating needs into cost estimates, size and quality of the facility and preliminary design; adjusting requirements to the best interests of overall company needs.

This initial panel on determining the best facility will be followed by others with speakers from leading companies in many fields.

Among the speakers will be executives of A.T. & T., R.C.A., I.B.M., General Electric, Westinghouse, Caterpillar Tractor, Ford Motor, Parke Davis, General Mills, Walter Kidde, General Foods, U. S. Army, Eberhard Faber, Jackson & Moreland, and Johnson and Johnson.

◆ **THE WARNER BROTHERS COMPANY**, Bridgeport, has arranged to acquire Dawn Fabrics, Inc. of Westerly, Rhode Island, producers of weft (filling stretch) elastic, it has been announced by John W. Field, president of Warner's, following ratifi-

cation of the purchase contract by the Warner Board of Directors.

Operations of the seventeen-year-old, fifty-loom mill will remain under the direction of Howard Gobeille, son of Dawn's founder, the late Alfred Gobeille. No change in personnel or general policies is contemplated.

◆ **A RECENTLY** developed automatic milling machine for production milling rates as high as 6000 parts per hour was exhibited in operation at the Machine Tool Exposition in Chicago recently by The Baird Machine Company, Stratford.

Designated the Baird Automatic Mill, the machine is said to be capable of maintaining tolerances of $\pm .001$ " in the milling of precision electronic components as small as $.050$ " $\times \frac{1}{4}$ " as well as tool bits as large as 1" square.

In operation the chain drive continuously moves as the parts to be milled are inserted by hand or automatically hopper fed into the jaw cavities. The jaws are attached to the carrying bases which are accurately located in the ways by heavy spring loaded bearings.

◆ **THE SIKORSKY S-62** recently became the first American Turbine-powered helicopter to be certified by the Federal Aviation Agency for commercial operations. It also is the first helicopter of any type to be certified under the FAA's new helicopter transport regulations, which are far more stringent than previous requirements.

The FAA certificate permits the S-62 to carry a pilot, a co-pilot and 11 passengers.

◆ **FUEL** units for oil burners, both single and two-stage, are the subject of the current issue of "Facts 'n Figures," quarterly publication of The Carlin Company, Wethersfield, manufacturers of the U. S. Carlin line of oil burners and water heaters.

The bulletin covers operation and servicing, tells how to check for pressure and vacuum, gives correct line sizes for two-pipe installations and many helpful facts on fuel unit performance to achieve maximum oil burner efficiency.

◆ **THE APPOINTMENT** of James E. Ettorre as general manager of Automation Bearings Corporation, Bridgeport, has just been announced.

Mr. Ettorre will be responsible for the overall development of the rapidly growing three-year-old company. Automation Bearings manufactures special bearing assemblies.

A graduate of Clarkson College of Technology and former chairman of the Mechanical Engineering Department of the Bridgeport Engineering

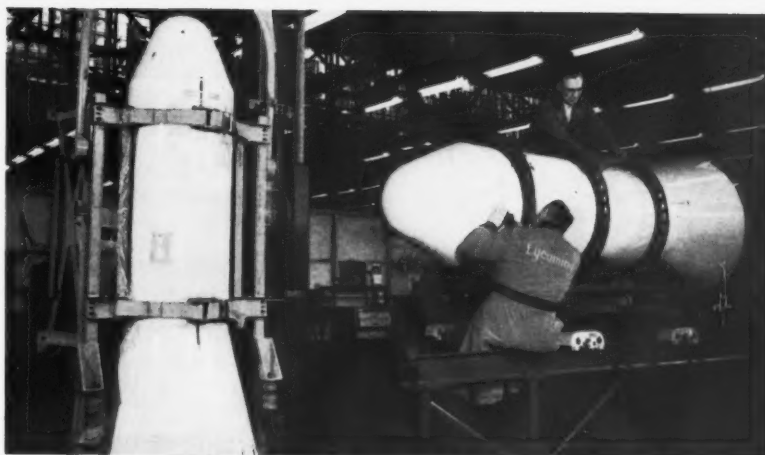
Institute, Mr. Ettore has written a number of technical articles for various trade journals. Prior to joining the Bridgeport firm he was chief engineer for Remsey Products Company of Charlotte, North Carolina.

♦ **THE FIRST Metal Treating Symposium** will be held in the New Englander Motor Hotel, Westport, on Thursday, November 3 at 9:30 A.M.

Sponsored by the American Gas Association in cooperation with The Bridgeport Gas Company and other Connecticut utilities, the Symposium will bring the metalworking and gas industries into closer harmony by meeting on common ground to discuss those subjects of heat processing aiming at more efficient production.

A feature of the one-day meeting will be the luncheon speaker, Herman Steinkraus, chairman of the board, Bridgeport Brass Co., who will talk on "Foreign Competition."

The program has been designed to appeal to top metallurgists and company officers in charge of plant production and speakers have been selected to present subjects of timely interest.



Re-entry vehicles for the Titan ICBM are inspected at Avco Corporation's Lycoming Division in Stratford prior to shipment to Cape Canaveral. The vehicles were designed by Avco's Research and Advanced Development Division in Wilmington and produced by Lycoming.

♦ **A NEW POWER CHUCK**, which can be operated either by air or hydraulic cylinder, has been announced by Power Grip, Inc., Rockfall. This chuck is designed to provide all of the advantages found in a universal

hand-operated chuck plus the advantages of controlled holding pressure and ease of operation.

The new chuck features a large center hole, with up to 4" I.D. for chucking bars and long thin work

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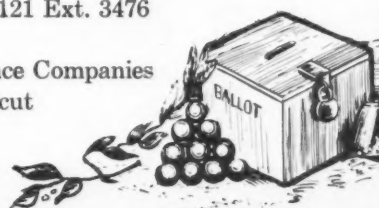
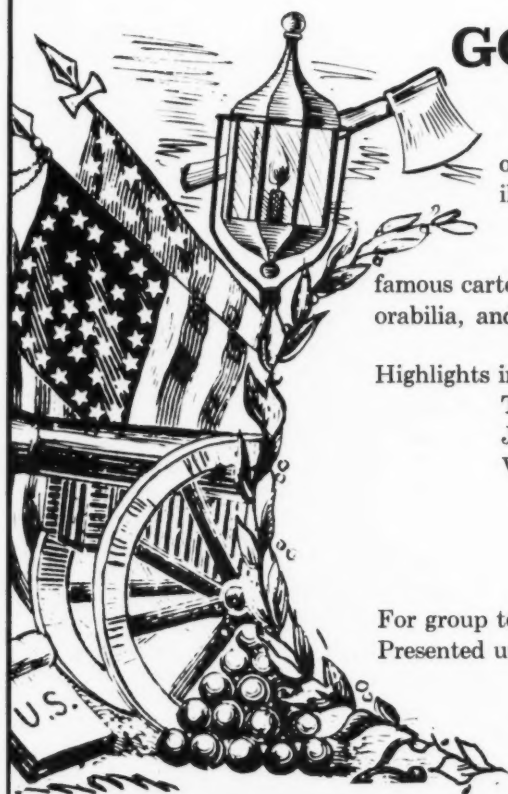
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pieces; serrated jaws, which are easily adjusted to grip a variety of diameters; greater gripping power and safer operation.

It is available in 7 standard sizes from 4 1/4" to 16", in both 2-jaw and 3-jaw styles, and with seats to mount directly on the spindle of most popular lathes.

♦ "FEED-OFF", a completely mechanical, production-proven machine stop, developed and manufactured by Rands Products, Inc., Willimantic, for use on punch presses and other types of machinery, is now available on a nation-wide basis.

Described as rugged and dependable, the device is designed to instantly stop a machine, if length of stock per stroke drops below a preset minimum, if stock varies in thickness, if defects such as burrs and tears occur in stock, and when stock coil end is approached. Stop action increases die life, saves down time and will allow more machines to be run at a higher rate of speed with fewer operators in attendance.

The versatile machine stop is portable and can be quickly and easily installed, requiring only a clutch-tripping Solenoid on machine itself to operate. It has only a few simple adjustments which can be quickly and accurately set.

♦ FARRELL-BIRMINGHAM COMPANY, INC., Ansonia, has appointed David Neill manager of roll grinder sales. He succeeds Robert J. Horning who will transfer to the company's European office as assistant manager.

Mr. Neill joined the Farrell organization in 1942 and has for the past fifteen years been engaged in selling a variety of the company's products.

♦ THE SECOND model in Lycoming's new series of fuel injection engines for use in utility aircraft has been certificated by the Federal Aviation Agency, it has been announced by Floyd J. Bird, vice president of Avco Corporation's Lycoming Division and manager of its Williamsport, Pennsylvania plant.

Designated as the IGSO-540, the new model received FAA certificate number IE-7 and is rated at 380 horsepower. It is a six-cylinder engine, geared and supercharged, incorporating a continuous flow fuel injection system with injection at the supercharger inlet elbow.

♦ A NEW LINE of aerial lifts with advance design, construction and performance features has been announced by Hunt-Pierce Corporation of Milford. Designed for a wide variety of

utility, municipal and industrial overhead operations, the new Servi-Lift units require no outriggers and may be mounted on vehicles as small as 1-ton trucks.

Two standard models are available, one with 36 foot working height, the other with 40 foot working height. Both models are canopy mounted on an "H" frame which leaves deck and compartment space clear and permits mounting with minimum modifications on any standard or existing body.

♦ A NEW "Self-Tapping Wire Screw Thread Insert" with up to two and one-half times the holding power of standard fasteners has been announced by Heli-Coil Corporation, Danbury. The new fastener assembly, designed to give lifetime strength and reusability to screw thread joints in products fabricated of wood, particle board and related fibrous materials, was introduced at the National Association of Furniture Manufacturers' annual trade show at Chicago recently.

Called by its manufacturer "a radical departure from conventional fastening systems," the new fastener was subjected to extensive tests by several furniture manufacturers prior to its introduction. Preliminary results of these tests indicate that the new insert fasteners will encourage the design of lighter, stronger furniture at lower cost.

The insert fastener is, essentially, a tightly-wound coil of wire which is inserted into a drilled hole for the accommodation of a screw. Its increased holding power is attributed to the fact that its pitch is half that of standard machine screws, allowing it to leave relatively thick sections of wood between the thread.

♦ THE NEW HAVEN Trap Rock Company, New Haven, has acquired a substantial interest in The Foxon Concrete Corporation, according to a joint announcement made by Robert S. Reigeluth and Domenic V. Frione, presidents of the two companies.

The Foxon Concrete Corporation, formerly known as the Foxon Trap Rock Company, Inc., is a producer of ready mixed concrete. The present management of Foxon Concrete will continue to handle the operations of the company.

♦ CAMPBELL abrasive cutting machines and Allison abrasive cutting wheels will be exhibited by Allison-Campbell Division, American Chain & Cable Company, Inc., Bridgeport, at the National Metal Exposition to be held in Philadelphia this month.

Two models of abrasive cutting machines will be demonstrated by

Allison-Campbell sales engineers. Carbon steel and super alloys, including Inconel "X", Waspaloy, A-286, and titanium alloy will be cut on the Campbell 460 wet abrasive cutting machine. The Sever-All model 2A dry abrasive cutting machine will be in operation to demonstrate the cutting of solid steel bars, structural shapes, pipe and tubing.

♦ **FRANCE Q. WILSON** has been appointed vice president for marketing by the Waterbury Farrel Foundry & Machine Co., Division of Textron, Inc., it has been announced by A. D. Mitchell, president of the Division.

Mr. Wilson was formerly associated with the Elliott Company of Jeanette, Pa., a division of Carrier Corporation, and more recently with Solar Aircraft Company of San Diego, California, a Division of International Harvester.

♦ **A NEW**, popular priced jig borer, combining the advantages of the Moore Model No. 1 and Model No. 3 jig borers has been announced by Moore Special Tool Company, Inc., Bridgeport.

Designed for working to split-tenth tolerances, the new No. 1½ Moore jig borer follows the upgraded 1960 Moore standards of accuracy. It offers a greater range and larger table than its No. 1 predecessor, which was discontinued in 1955.

♦ **REPRODUCTION** Engineering Corp., Essex, has announced a unique device called "Timber-Topper." When used with an ordinary 2 x 3 stud, a removable support post can be made that will hold up almost anything, according to the manufacturer.

The device consists of a metal sleeve measuring 12" by 2" by 3" which has a coil spring inside it. To erect a post, you slide Timber-Topper over the end of a 2 x 3 which has been cut to the correct floor to ceiling measure, and spring the post into place. The depressed spring holds the post firmly upright.

♦ **A NEW LINE** of standard end measures for testing micrometers and maintaining proper adjustment has been introduced by the J. T. Slocumb Co., South Glastonbury.

A major functional difference featured in Slocumb end measures is that one end is lapped flat and square, the other end has a spherical radius. In conventional end measures both ends are spherical. The advantage of the flat end is that it gives a positive locating face and assures that the end measure is properly aligned to the micrometer measuring terminals. Sizes are available from 1" through 54".

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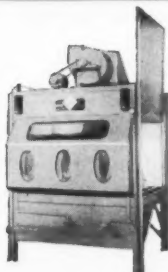
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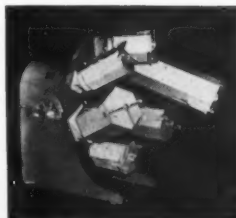
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creased clarity of reproduction and easier servicing are said to be key advances in Dictaphone Corporation's new Model RD6 Dictaphone Telecord Dictation System for network office dictation.

In the new model, full advantage has been taken of the use of transistors, which Dictaphone Corporation pioneered for dictating machine use. Substitution of the transistors for vacuum tubes does away with any warm-up period and eliminates "down time" due to burned-out tubes.

The Telecord System permits the dictator to pick up the handset of the phone on his office desk and dictate his letters to a recording machine in a central secretarial office where his dictation is transcribed. Controls permit the dictator to play back his dictation and indicate necessary corrections.

◆ THE APPOINTMENT of George E. King as manager of development of The Ensign-Bickford Company, Simsbury, has been announced by the company.

A retired Captain in the U. S. Navy, Mr. King joins the Simsbury company after two years service with Aerojet-General at their Missile Plant in Sacramento, California, where he served as manager of management development.

A graduate of Annapolis, the Naval Post Graduate School in Ordnance Engineering, the Advanced Management Program at Harvard and the Naval War College, he filled many important command assignments in the Navy prior to his retirement in 1958.

◆ THE INVENTION of what is described as a revolutionary Press-Stop, designed to control the millions of metal strip punching machines used in industry, has been announced by Maurice Cohn, president and chief engineer of The Akim Engineering Co., Willimantic.

The device, which weighs only nine pounds complete with a tiny electric motor, but without a mounting stand, has been in the process of development and testing for nearly two years.

Mr. Cohn also announced the creation of a special division of the company to manufacture the press-stops. H. Keeney Lathrop, who resigned as treasurer of The William Brand-Rex Division of The American Enka Co., has been named to a general executive post with the new division.

◆ IN ORDER TO ASSIST the users of stainless steel strip in getting the highest possible quality and to assure that their most specialized requirements are met, Ulbrich Stainless Steels, Wallingford, has prepared a 16-page brochure covering their complete facil-

WAVERLY INN

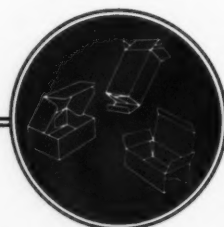
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ities and illustrating the wide variety of specifications which can be met.

In addition to data on Sendzimir Mill rolling and precision slitting, the brochure includes information on a number of highly specialized operations such as round or square edging and deburring. It also includes a listing of not only the stainless steel strip types available, but also many of the super alloys which the company now has on hand. Copies are available from the company.

♦ JOHN H. ZAUNER has joined the Instrument Division of the Perkin-Elmer Corporation, Norwalk, as director of engineering. In this position he will be responsible for all engineering activities within the division.

Before joining Perkin-Elmer, Mr. Zauner was vice president of the Lane-Wells Company, Houston, Texas, responsible for the direction of research, development and procurement of instrumentation in well-logging and other technical oil field services.

♦ THE SESSIONS CLOCK COMPANY, Forestville, has introduced the "Olympiad," a new electric decorator wall clock.

The formed metal case is 12½" square, with Greek key designed border. The hammered finish dial rises away from the wall with black debossed Roman numerals. Black cut out hands with brass sweep second hand complete the decor.

Another model, the Quadrille, features cane and contrasting wood-grain panels framed in walnut. This timepiece is 14" square and has polished brass dial with embossed Roman numerals with black hands and sweep second hand.

♦ RONALD E. JONES has been appointed sales manager of the Berco Manufacturing Company, Waterbury, producers of Swiss Screw Machine and precision component parts.

Mr. Jones was formerly purchasing agent for the Risdon Manufacturing Company of Naugatuck, the A. C. Gilbert Company, New Haven, and director of purchases for the O. A. Sutton Company, Wichita, Kansas.

♦ ACCORDING TO the Southern New England Telephone Company, Connecticut businessmen are fast putting the new "Princess" phones to work in shops, stores and offices.

Completely different in styling and design, the compact, oval-shaped telephone is said to offer some definite advantages to a wide variety of businesses. It is equipped with a dial that lights when the receiver is lifted or that glows with a soft night light at the flick of a switch.

Only 8½ inches long, 3½ inches high, and weighing less than three pounds, the Princess phone reduces by one-third the space now needed for a telephone. It comes in these colors: blue, pink, white, beige and turquoise.

♦ ANNOUNCEMENT of the formation of The A. W. Haydon Company, a California corporation, has been made by A. W. Haydon, president of the new concern.

The new company will be responsible for the marketing, sales and distribution of electronic timing devices and test equipment used in aircraft, missiles and related equipment.

Mr. Haydon said that electronic timing devices will implement the line of electrical and electro-mechani-

cal timers and motors which the company has been manufacturing in Waterbury for many years.

♦ INDUSTRIAL OUTPUT in the nations comprising the European Common Market and the European Free Trade Association has expanded at a much more rapid pace during the past six years than has output in Canada or the United States, the National Industrial Conference Board reports in an analysis released recently.

Especially noteworthy is the steady and rapid rise of manufacturing production in the European Common Market nations (France, West Germany, Belgium, Luxembourg, The Netherlands and Italy). As of 1959, output in that group averaged 157

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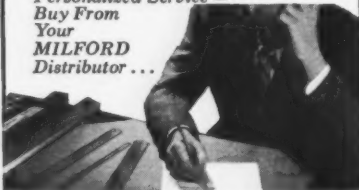
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per cent of the 1953 level. By contrast, manufacturing output in the Free Trade Association countries (Austria, Denmark, Norway, Portugal, Sweden, Switzerland and the United Kingdom) was 125 per cent of the 1953 level.

In Canada and the United States, 1959 manufacturing production was respectively only 117 per cent and 112 per cent of 1953 levels.

♦ **HOWARD A. BAXTER** has been elected vice president in charge of engineering for Norma-Hoffman Bearings Corporation, Harry M. Day, president, has announced. Mr. Baxter succeeds Warren D. Anderson, who will continue as engineering consultant to the president in addition to outside activities in development and consulting engineering.

Mr. Baxter was formerly with American Machine and Foundry Company's Greenwich Engineering Division. At Norma-Hoffmann he will be responsible for all engineering functions, including machine and product development, sales engineering and research.

♦ **LANDERS, Frary & Clark**, New Britain, 118-year-old housewares manufacturer, has recently launched a new career in electronics. President Harry T. Silverman has announced that the company began an extensive research and development program six months ago and is now engaged in the production of high precision electronic equipment and instrumentation systems for the government. He also revealed that a number of products were being readied for the consumer market as well, such as high-speed radiant heat cookers for housewives.

Under the direction of William M. Day, vice president in charge of engineering and research, the program covers a wide range of electronic equipment.

♦ **FOREDOM ELECTRICAL CO.**,

Stony Hill district of Bridgeport, has developed a miniature power screw-driver and nut runner which is said to be capable of picking up and driving screws as small as No. 0.

The company is engaged in miniaturizing power tools, providing industry with power equipment essential in the manufacturing and assembling of small components.

Company officials report that the working end of the new unit is about the size of a fountain pen. The use of a flexible drive makes the tool ideal for delicate and difficult jobs which up to now have been done by hand.

♦ **THE Connecticut Safety Society, Inc.**, has just recently announced its fall, winter and spring schedule of monthly meetings. Although complete arrangements have not been made for the 1960-1961 series, the dates, meeting topic, meeting places and speakers follow to the extent they are available, beginning with the October 27 meeting dealing with "Off-the-Job Safety" to be held at 6:30 P.M., Cafeteria, Pitney-Bowes plant, Stamford. The speaker will be Dr. E. S. Hannaford, Director Loss Prevention, Long Lines Department, American Telephone and Telegraph Co.

Dates and meeting details, insofar as available for subsequent months are:

November 17, Plant Visitation at American Cyanamid Co., Wallingford, 3:00 P.M. to 4:00 P.M. and meeting at Oakdale Tavern, Wallingford, 6:30 P.M.; December 8, Christmas Party and Ladies Night, Sanford Barn, East, Hamden; January 26, Small Plant Workshop starting at 2:00 P.M., including more than one speaker, dinner meeting in Bridgeport at 6:30.

The subject of the February 23 meeting will be "Fleet Safety". The speaker and place of the dinner meet-



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ing are to be announced. At the March 23 meeting John Sowders, plant manager, Winchester-Western Div., Olin Mathieson Chemical Corp. will speak on "Management's Responsibility." The meeting will be held at 6:30 P.M. in the Hartford area, the location to be announced later.

On April 27 the meeting will start with a plant visitation at the Hartford Electric Light Company Generating Plant at Middletown at 3:00 P.M. At the dinner meeting at the Commodore MacDonough Inn, Middletown, at 6:30 P.M. Francis Payne, Assistant Supr., Safety, Hartford Electric Light Co., will speak on "How to Cope with Electrical Hazards."

The Society's annual meeting and election of officers will be held on May 25 at Oakdale Tavern, Wallingford at 6:30 P.M.

Reservations for these meetings should be mailed to Robert W. Anderson, Anderson Associates, P.O. Box 6054, Hamden 17, Conn.

What Can We Do About Government Spending?

(Continued from Page 14)

sulting from military service. Most striking is the record of hospitals and

medical care. On November 30, 1955, for example, only 36½ percent of Veterans Administration patients in hospitals were being treated for service-connected disabilities.

No one wants the nation to be niggardly in caring for all veterans who suffered disability in military service or for the dependents of those who were killed in service. But it does not seem that that obligation should include those whose disabilities were not incurred in the service.

The government has become involved in a gigantic program of aid to farmers, the principal means being the raising of prices of agricultural products. Under this price support program the government has acquired vast quantities of agricultural products, partly by direct purchase, partly through receipt of farm products pledged as security for loans.

In spite of the "soil bank" program adopted in 1956, the government's inventory of products purchased had grown to \$5½ billion on May 31, 1957, and there was also \$2 billion in products pledged to secure loans. It is to be expected that most of these will eventually be added to the inventory, making a total little if any less than \$7½ billion.

The cost to the government of the

agricultural aid program has been enormous. The budget for 1958 contains \$5 billion for "agriculture and agricultural resources", \$431 million greater than in 1957, and \$113 million more than in 1956, the previous record year.

In the operation of this plan to raise agricultural prices, the government imposes a heavy burden of taxation on all the people and in addition compels them to pay higher prices than necessary for food and other necessities of life. Such action is no part of the necessary functions of the government of a free-economy nation.

Public assistance is a field, traditionally belonging to the states and the local governments, which the Federal government began invading in the 1930's. The program includes old age assistance, aid to the blind, aid to dependent children, and aid to the totally and permanently disabled.

During recent years the cost has been steadily increasing, from \$1,332 million in 1953 to \$1,750 million in the 1958 budget. Nearly all these expenditures are in the form of grants-in-aid to the states.

We have a clear case of a government function which properly belongs

(Concluded on Page 44)

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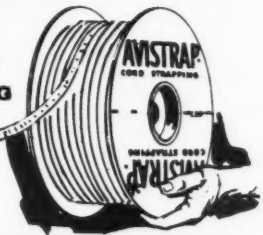
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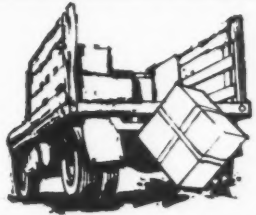


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An overlay of asphaltic concrete went on next, and this will be topped off with Jennite and coarse aggregate as a final tough, non-slip protective seal in 1961.

The Tappan Zee Bridge was a big job — and we're proud that we were selected to handle it. But we'll be glad to protect your parking lot, too! Why not call us for an estimate?

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Public Relations

By CHARLES E. REICHE

Public Relations Director

Telling The Company Story

■ THE size of an industry has little or nothing to do with whether or not it keeps its employees well informed or, in fact, if it keeps them informed.

A five-man machine shop has just as much need for communication with the personnel and the neighbors as a 5,000-man shop does and for essentially the same reasons. Good communication between management and employees and the community will do, among other things, the following:

1. Help create respect between management and personnel;
2. Help develop better work attitudes;
3. Minimize the possibility of misunderstandings in the factory;
4. Furnish management a continuing source of understanding of employee attitudes;
5. Help create a public image of a company as a good and valuable neighbor in the community.

Basically the problem of communication between management and the help on one hand and management and the community on the other is broken down into two principal channels of endeavor: Word-of-mouth communication and printed or other visual areas of communication.

It is important to bear in mind that communicating does not have to be an expensive program. Much of the most effective flow of information between management and employees is by way of oral communication.

Supervisors and/or foremen, whatever their title, are in an ideal position to carry on word-of-mouth communication with plant personnel. And this part of the management team should be used continually in keeping employees informed.

A second way to further the oral communication technique is to have top management representatives make frequent, but unscheduled, visits throughout the factory for the sole purpose of chatting with employees at their jobs. These visits should be completely informal and conducted on a genuinely friendly man-to-man basis. An attitude of condescension or paternalism, authorities agree, can be very harmful and must be avoided.

A third well-established way to

maintain continuing communication is to have scheduled meetings between department heads and each employee in the department, possibly two or three such sessions a year. This gives both men a chance to sit down out of earshot of others and discuss things in an open fashion. Such meetings should be aimed at two targets: Finding out the state of mind of an employee about his job and finding out if he is making progress which seems to fit his known talents and personality.

A fourth oral communication practice is to have occasional meetings of all personnel with the top executives of the company. Such meetings, of course, must be set up to allow for give-and-take between employees and the management people participating. Many small companies in the 50 to

250 category have found this kind of program very effective.

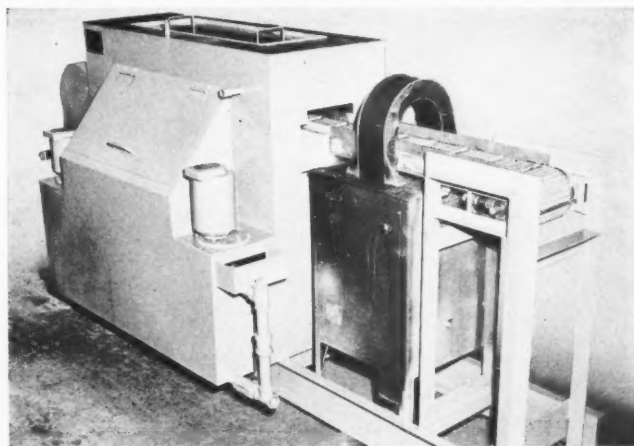
None of the foregoing methods for communicating involves any direct cash outlays and thus each can be undertaken by small industries which have no budget whatsoever for public relations.

Other programs in the word-of-mouth realm which many small companies find helpful include occasional personal reports to all employees by the top executive officer of the company's fiscal position and operations; monthly employee forums with a management figure when the discussion can be thrown wide open to whatever may be on anyone's mind; meetings, as needed, to combat the conventional scuttlebutt which is part and parcel of any business, industry or otherwise, when all the current false rumors and other canards can be pinned down and demolished.

The second basic channel of communicating, by way of printed or visual means, can, it is true, call for occasional cash expenditures. It need not be a heavy outlay.

Internal publications — house organs, that is — are traditionally among the most realistic methods of keeping employees and the community informed. These need not be expensive

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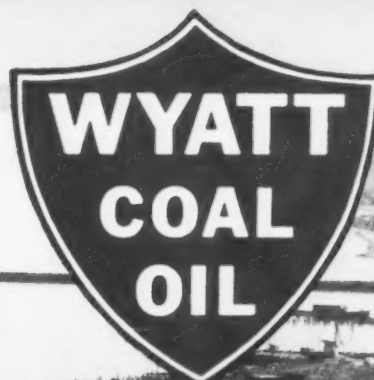
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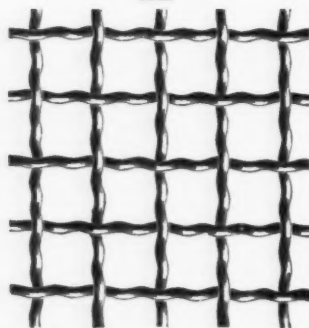
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nor do they have to be prepared on a formal schedule. Many MAC members have simple mimeographed two-page or four-page publications which are issued on a relatively casual schedule — more or less each time management has something important to pass on to the personnel. More and more companies are making of these simple newsletters straightforward company documentaries with no effort to include the rather aimless and usually stale "social notes from all over."

Many companies swear by the "letter-to-the-employee" and time has indeed proven that such a program is a very fine way to keep personnel informed. *We are not now referring to formal company letters* dealing with company business but with personal letters signed by the company's top executives and written because of a major event in the employee's life — a marriage, a family death, a wedding anniversary.

Other printed or visual programs for communicating with employees — all of them of established value — include product displays, financial reports, descriptive printed folders or booklets which a company may have prepared for sales use or other promotional reasons, bulletin boards and newspaper advertising.

It has been established that most men and women respond favorably to any efforts which are made to communicate with them in terms which they can understand and which do not "talk down" to them. Obviously, then, it behooves any management organization to give serious and continuing thought to the flow of communication between it and the people whom it employs. This, it seems to many people, is indeed the keystone to long-range successful operation of a business, in industry or in other realms.

Men and women in all walks of life grow increasingly articulate. It is vital to the success of industry that management show a willingness to meet this growth and to make of communication a genuine two-way street.

Can America Be Saved?

(Continued from Page 16)

This is forbidden by the Commandment: "Thou shalt love the Lord thy God with all thy heart."

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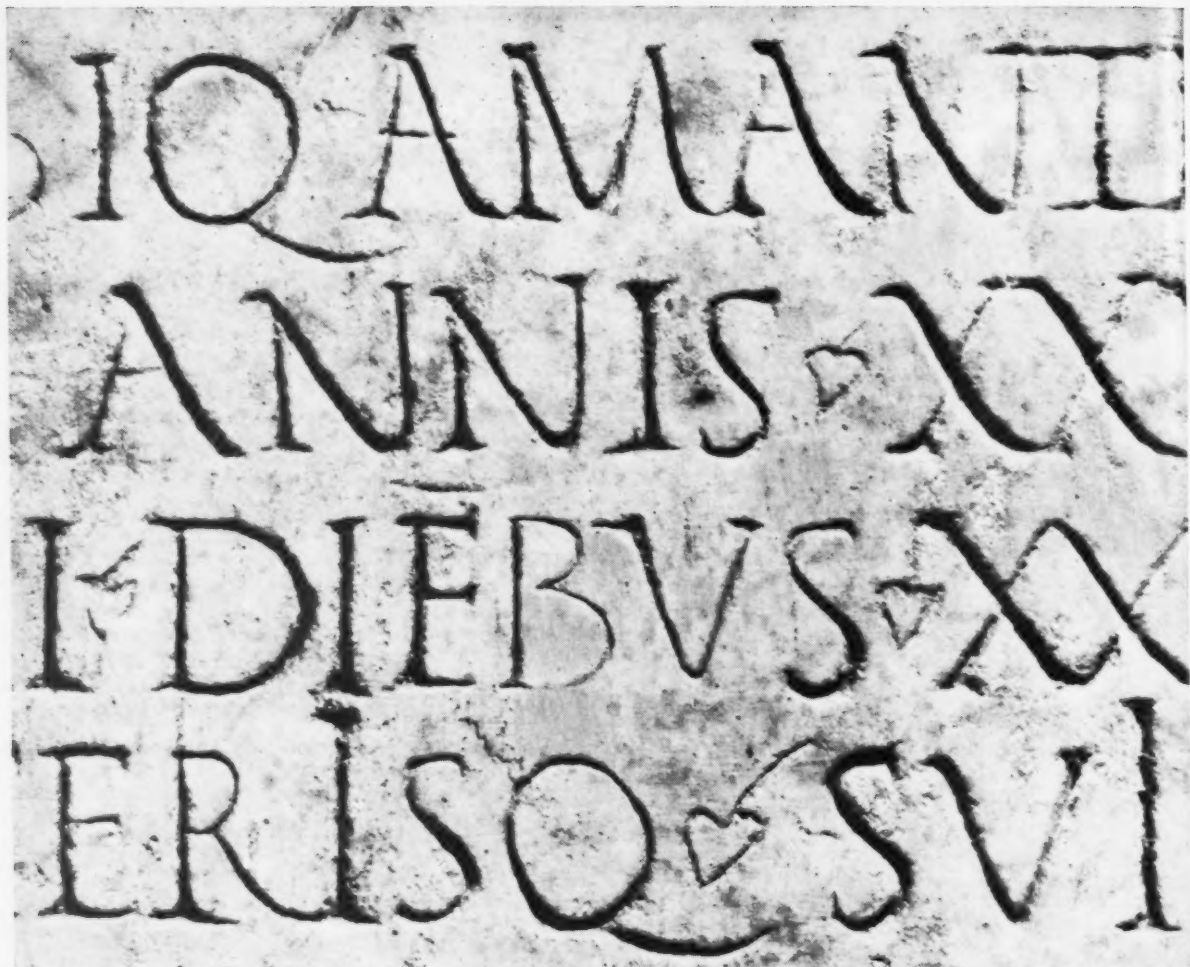
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How Would You Decide?

By LEON L. LEMAIRE

Attorney

♦ DOES a long-standing practice have any bearing upon employees' duties under a group incentive rate?

Here's what happened.

The group incentive rate on the operation of "Cleaner-Cutter-Grinder" was first established in 1946, and since that time had been restudied five times. When the job was first studied, and since that time, the task of removing waste material into the yard was performed by an employee classified as "Cleaner-Cutter-Grinder." The job rotated and requires about 60% of one employee's time each day. The union claims that the trucking of dirt is not part of the job description and that the employees on piecework should be reimbursed for having to share earnings with employees not contributing to piecework. The job description of "Cleaner-Cutter-Grinder" is as follows: "Cutting, cleaning rough castings and may include operation of tumble barrel. Removes undesired projection and surplus material from castings with hand chisel or portable or fixed grinding wheels." The company argues that the established practice of fourteen years should control, since job descriptions have always been regarded as a "mere frame of reference" and not as a "limitation of job duties." The union argues that the company is in violation of the contract by requiring work to be performed by employees not within their job description. They argue that the contract language controls regardless of past practice.

Does a long-standing practice establish intent?

The Board ruled that this long-standing practice clearly establishes the intent of the parties with respect to the group incentive rate in dispute. The fact that employees in the group were detailed to remove dirt must have been taken into consideration in setting the rate. Nor was the "job description" argument compelling. The Board characterized the "job descriptions" more like "job identifications," because of their brevity.

Did the company violate a seniority clause by assigning junior employees to work during a vacation shutdown?

Here's what happened.

During a three-week vacation shutdown, the company assigned three junior employees to work in a department, although senior men were available. The company requested the junior men to work in order to cover any emergency repairs that might become necessary. The senior employees were not qualified to do the emergency work. No emergency work was actually done, and the senior employees were qualified to perform the regular work of the department. The union complains that the company should have assigned the work to the senior men.

Should the senior men have been assigned the work?

The Board held that the employees retained during the shutdown period were qualified to do the emergency work and assignment of the senior men would not have met the company's requirements. The ability to perform the work applies to the emergency work, and not the work actually

performed. The company was not obligated to assign the work to the senior men.

Is refusal to give a reason for an intended absence "just cause" for disciplinary suspension?

Here's what happened.

The grievant had been absent or late on occasion, and either he or his wife would call and so inform the company. On one recent occasion, his wife called to say he would be absent. No reason was requested or given. When the grievant returned to work the next day, his foreman told him that in the future he would have to give a legitimate reason for absence. The grievant told the foreman that he did not have to give a reason because it was a personal affair and none of the company's business. Further, the grievant told the foreman he would take a day off the next week. The foreman told him that if he did not give a legitimate excuse for taking the day off, he would be disciplined. He refused to give a reason and was given a three-day suspension for being absent without permission. The company admitted that it had not asked for excuses in every case and did not intend to do so in the future. It argued that employees were under an obligation to cooperate with the company in maintaining an efficient operation, and that frequent and unexcused absences by one individual could disrupt the work of others. Further, the employee has a duty to present facts which permit the company to exercise its judgment on the sufficiency of an excuse for absence, and failure to give those facts shows an uncooperative attitude.

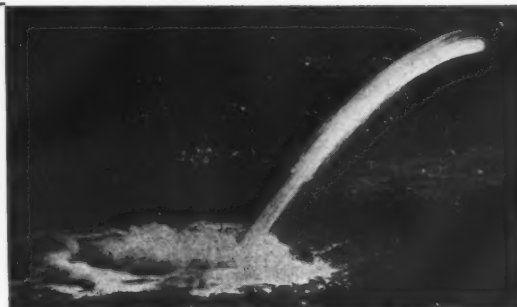
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Business Tips

Standards for the Performance of Executive Work

By A. D. JOSEPH EMERZIAN, Ph.D.
Professor of Industrial Administration
University of Connecticut

♦ FOR some time, standards for the performance of operational work have been an integral part of the science and practice of management. On the other hand, very little organized thought has been given to performance standards for managerial work. The basis for this lack of attention is rooted in a profound pessimism that the inherent complexities of managerial work can be reduced to statistical or even qualitative measurement. This does not mean that executive performance is not evaluated. On the contrary, executive performance is evaluated in every organization. However, it is rare to find the basis for evaluation reduced to detailed or specific statements in writing. At the most, there exists only a general understanding of expected performance.

The purpose of this paper is to discuss briefly the concept of standards as applied to managerial work and to suggest an approach to their determination.

Concept of Executive Standards

Standards of executive performance can be defined as descriptions of conditions which predict or reflect the satisfactory performance of a managerial activity. These standards, not only identify the activity, but reveal how well it was performed. Since standards are derived for all components of executive work, the summation of component evaluations indicates the level of performance for the entire job.

These standards contain two important and distinctive attributes: objectivity and efficacy. Objectivity means the standards are quantitative and capable of measurement. Efficacy suggests that the standards reflect the results of managerial effort applied in a specific job. The thesis here is that managers are best judged by what happens as a result of their work and not by such commonly used factors as

experience, potential ability, and personality traits.

Value of Executive Performance Standards

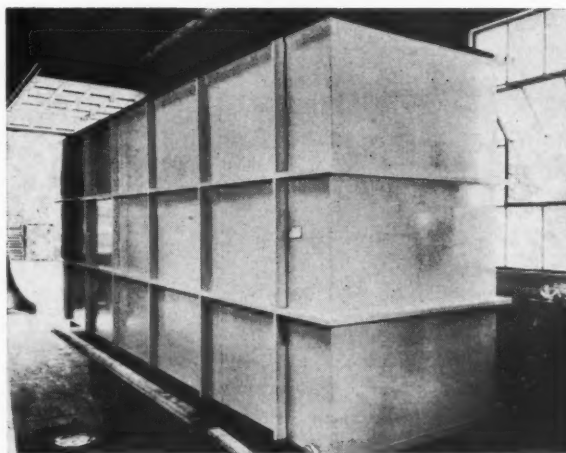
Performance standards provide a rational basis for managerial action based upon actual performance. Greater precision in performance evaluation imparts a higher level of confidence in decisions regarding promotions, transfers, discharges, and salary increases. Equally important is the greater ability to more quickly and

accurately identify executive training and development requirements. Of greater value, however, is the reduced possibility for mis-directed executive effort. Standards indicate precisely what is expected. This permits the executive to orient his efforts toward known goals and reduces the incidence of situations where he is uncertain as to whether he is placing too much or too little effort upon various components of his job.

Identifying the Need for Standards

The existence of unsatisfactory executive performance is the most decisive manifestation of the need for executive standards. The reason for this is that unsatisfactory performance is more often a function of uncertainty regarding expectations than it is of incompetency. Without clearly written standards, these expectations are either unknown, or if known and formulated at the time the incumbent entered the job, have unknowingly changed during his tenure in office. Unknowingly pertains to both superior and subordinate. Since the superior mentally records his standards, he is often unaware of changes in his own thinking, and the subordinate often has little opportunity to detect changes

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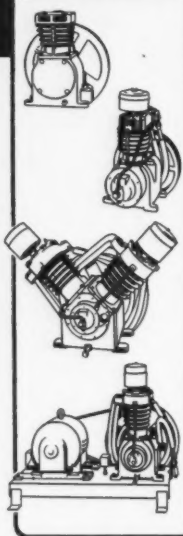
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in his superior's thinking until the damage is done. The essence of this discussion is that a meeting of the minds does not exist as to performance expectations. Recognition of this condition should motivate both parties to seek clarification through mutually determined performance standards.

Developing Standards

The most promising approach to developing standards is through mutual consultation between superior and subordinate. Thus, those who are expected to reach certain levels of performance have the opportunity to contribute to the establishment of these levels. This approach also suggests that the development of these standards is primarily the responsibility of line management. Staff specialists can be of assistance in collecting information and suggesting possible approaches to standards development. However, a realistic determination of the specific standard can only be made by the man doing the job and his immediate superior.

Only two basic steps are necessary in developing standards. These steps are easy to outline, but difficult to achieve. This first step is to identify the major components of the job. If job descriptions are available, much of the work of this first step has been performed. The second and more difficult step is to develop descriptions of the conditions that will exist when each job component is performed satisfactorily. These conditions must be clearly expressed in objective language if possible, and include methods for accurate measurement of results. For example, one of several performance standards relating to office work of divisional managers might read: "not more than 20 per cent of his time devoted to office work." The recommended method of measurement is a periodic work analysis report by the industrial engineering department.

In summary, standards for executive performance can become an integral part of the schedule of modern management controls if they:

1. are the product of mutual determination between superior and subordinate;
2. represent reasonable and acceptable levels of performance;
3. are expressed in unambiguous language; and,
4. properly reflect the duties and responsibilities of the job.

Since executive work constitutes the most valuable activity in an organization, the essential welfare of any organization is dependent upon the proper motivation and orientation of executives through performance standards.

Accounting Hints

Contributed by

The Hartford Chapter National Association of Accountants

Company Work Simplification Program

♦ IN these days of ever increasing accounting and other clerical costs, considerable attention is being devoted by modern management to "work simplification." Many companies are giving consideration to setting up work simplification programs and the following comments may be helpful in understanding their objectives.

"Work simplification program" is the name customarily given to any of a group of methods designed to stimulate and organize the efforts of a company's front-line supervisors to recognize and solve the procedure problems of their own units. By stressing the supervisor's knowledge of the work of his own unit, his responsibility for his procedures and the need and possibility for improvements, the program attempts to enlist the supervisor's interest and support. By training the supervisor in some of the basic techniques of analyzing and improving methods, the program attempts to convert this interest and support into effective results.

The training programs, besides demonstrating the need for the work, teach supervisors how to analyze their unit's procedures and operations. They are instructed in the preparation and use of charts designed to show the flow of work, the time spent by the unit on each part of its work and the distribution of work among employees.

At times the programs are spectacularly successful; at other times, the results are less impressive. The Quartermaster Corps claims to have reduced its force by more than 16,000 employees by applying work simplification techniques for one year. One utility received over 1,200 suggestions for improvements during the first year. In the last analysis, however, the effectiveness of the program seems to depend on (1) the active support of top management, (2) the ability of the leader to interest and train the supervisors, (3) the quality of the follow-up program, and (4) the presence of specialists to consult on or undertake to handle problems which

the supervisors lack the time or the skill to solve.

A realistic appraisal of company work simplification programs would seem to lead to the following conclusions:

1. The programs should be and frequently are very effective in obtaining increases in clerical efficiency, particularly when the increased efficiency is the result of a large number of small individual changes.
2. The programs do a great deal to develop an atmosphere which minimizes resistance to change and stimulates creative thinking.
3. The programs are less effective and normally require additional specialized assistance when they attempt to deal with large or complex problems, such as:
 - a. when there is need for specialized knowledge on technical subjects — office equipment,

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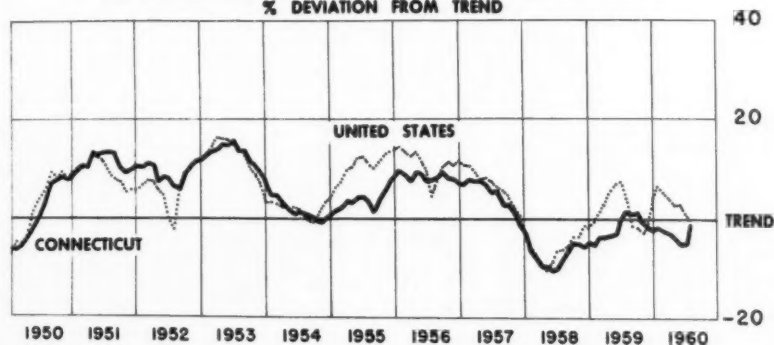
Insurance Companies HARTFORD 15, CONN.

Business Pattern

A comprehensive summary of the ups and downs of industrial activity in Connecticut for the thirty day period ending on the 15th day of the second previous month.

Connecticut Business Up

INDUSTRIAL ACTIVITY - CONNECTICUT vs. UNITED STATES
% DEVIATION FROM TREND



♦ THE Connecticut Index picked up in July to stand at —1.0%. All components improved after seasonal adjustment. Average hours worked per week and electric power sales rose strongly. Manufacturing and construction employment went up moderately.

Connecticut's economic picture brightened early in August as the strikes at four more United Aircraft plants were settled. This leaves only the two plants of one division operating under a strike handicap.

This month, we are showing the revised United States Index of Industrial Activity for the first time. The chief result of the revision is to reduce fluctuations in the Index caused by accumulation and liquidation of steel inventories. In July, slow declines in production caused the revised Index to decrease one percentage point to the trend line.

Building

Total building contract awards jumped seasonally in the second quarter, almost reaching the high level of a year ago. Non-residential awards were the highest for this quarter in nine years, topping the same period of 1959 by 19%. Residential contracts, however, were down 16% from last year.

In the first half of 1960, contracts were awarded in Connecticut for 8,400 dwelling units. This figure was

6% lower than the number of units contracted for in the same period a year ago. For the nation as a whole, the Federal government estimates that 18% fewer housing units were started than in the first six months of 1959.

The tightness of mortgage money and the associated high interest rates have tended to depress housing in 1960. However, recent developments indicate that this situation is easing. This would provide some stimulation to both Connecticut and national homebuilding in the remainder of 1960. For the year as a whole current forecasts are that U. S. housing starts will be 1.3 million compared with almost 1.6 million in 1959.

Business Firms

The number of new incorporations in Connecticut continues at a high level. In the first six months of this year, 1,540 new corporations were formed. This was only a trifle below last year's record for the period and was well above the same period of any other year.

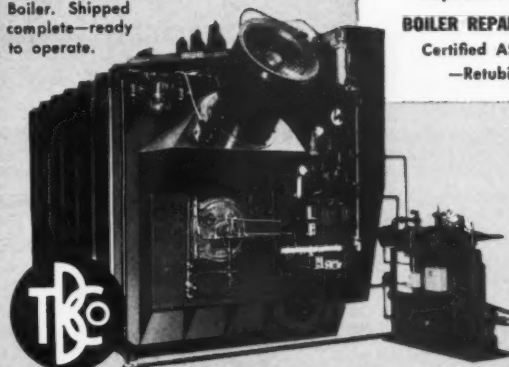
Bankruptcies in Connecticut remain above their pre-1958 level. One of the causes of this is the increasingly competitive situation which makes it more difficult for many marginal businesses to survive.

Inventories and Sales

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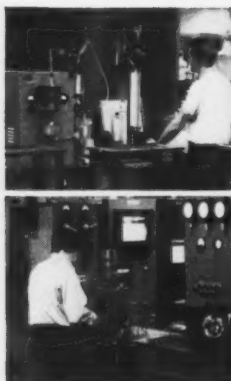
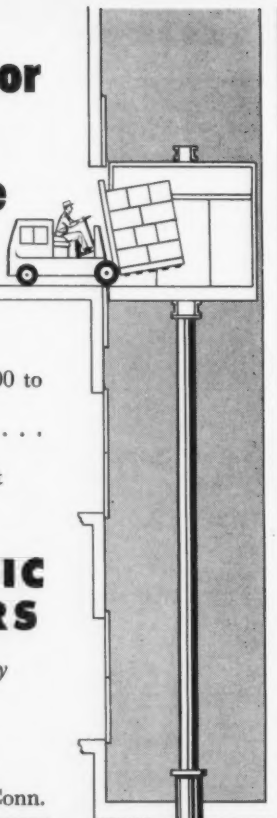
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Ball bearing requirements in many areas of industry are growing fantastically complex. Materials and lubricants used in bearings today are inadequate for certain foreseeable needs. To help find answers to such vital problems, engineers at The Fafnir Bearing Company are provided with the most up-to-date facilities for ball bearing research and development, including a completely modernized metallurgical laboratory, and highly refined devices for testing bearings, bearing materials, components, and lubricants. From such resources, and unceasing

experiment, new and better Fafnir ball bearings are "born". That is why — when future progress reaches "turning points" — chances are Fafnir will have a bearing on it! The Fafnir Bearing Co., New Britain, Conn. Write for booklet, "Fafnir Formula For Solving Bearing Problems" containing description of Fafnir engineering, research and development facilities.



tories is one of the principal causes of fluctuations in total output.

Manufacturers' inventories have been on the rise since October of last year. In June they reached \$55.2 billion, \$1 billion above the previous high of August and September 1957.

This buildup has come despite attempts to check it. Steel users, for example, have been liquidating inventories for some time. However, in some industries, increased competition is causing manufacturers to carry larger stocks for immediate delivery to customers who in turn are operating with lower inventories.

Manufacturers' sales have been relatively level in 1960 following their post steel strike pickup late last year. The level sales trend has resulted in a gradual increase in the inventory-sales ratio though this is not yet high in relation to past levels.

The current attempts to limit inventory buildup before stocks become excessive in relation to sales should soften the impact of general inventory liquidation which a sales downturn might set off.

A recent *Wall Street Journal* survey indicates that manufacturers may have been successful in July in stemming the rise in inventories. Most companies said their inventories were in balance with sales or would be within 90 days. In addition, some firms were anticipating a fall upturn in customer demand.

Prices

The Consumer Price Index, after holding level for a time in 1958 and 1959, has been in a moderately rising trend for a little over a year. In July, it increased to 126.6 which was 2.7 points higher than in July 1958.

The Wholesale Price Index, affected less by rising labor costs, has stayed approximately level for the last two years. Minor peaks are due to temporary increases in the prices of farm products and processed foods.

Accounting Hints

(Continued from Page 39)

standard costs, design of financial statements, etc.

- when important changes in organization or departmental responsibilities are involved
- when the change implies severe criticism of superiors
- when the solution of the problem requires a large amount of uninterrupted time

Thus, "work simplification" carried out by supervisors is as a rule complementary to "system work" undertaken by company "system departments" or outside specialists.

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What Can We Do About Government Spending?

(Continued from Page 27)

to local government. Both administration and financing should be kept as close as possible to the people, who know local needs as a central government bureau never can.

The initial highway grant program was started in 1916. With the Highway Act of 1956, the Federal government has undertaken a long-term program of increased assistance to the states, which is expected to provide (1) nearly \$25 billion over 13 years for a mainly Federal-financed interstate system linking the principal cities, and (2) \$12 billion for the primary, secondary and urban system on a fifty-fifty matching basis.

It may be proper for the Federal government to exercise some advisory function over state highway construction in order to promote national unification. Otherwise all this represents a major expansion of a function which properly belongs to our states.

Public education has been in the hands of the American states and their local subdivisions from the beginning. In recent years the Federal government has been gradually edging into this field. The 1958 budget calls for \$533 million, of which \$447 million is for grants-in-aid. Considerable pres-

sure is now being exerted to expand greatly the Federal contribution for school construction over a number of years in the future.

This is a function which in our American set-up is not appropriate to the Federal government. The state and local governments have spent and are spending huge sums on their educational systems. They will continue to do a better job, at less cost, if they finance their own education and keep themselves free from the interferences and controls which would almost certainly come in the train of large Federal grants.

These are some of the more important examples of expenditures incurred by our Federal government for projects which I believe it should never have undertaken or should have kept within narrow limits. There are many others, such as housing subsidies, calling for \$362 million in the 1958 budget; aids to water transportation, in the budget for \$420 million; administration of the unemployment compensation system; and very many items in the public works budget. Then there is the postal deficit, a subsidy to users of mail service other than the first class, estimated at \$657 million in the 1958 budget.

Exact figures showing the total reduction in government expenditures

which might result from adoption of these suggestions could be obtained only from a thorough-going audit of the budget, a task obviously beyond my resources. But from the facts here presented, I think savings well over \$10 billion can readily be seen. This is without taking account of whatever capital funds might be recovered through sale of the \$17 billion of the government's direct loans receivable, or the billions invested in TVA and other power producing plants.

I believe there is ample evidence to show that, with the will of the Congress and the support of the Administration, and with the assistance of the Budget Bureau, tremendous savings are possible, which, without limiting any essential function of the Federal government, would provide a really significant reduction in government expenditures and make possible a substantial cut in taxes.

In conclusion, I recognize that some of these suggestions may be regarded as pretty drastic. That they are, I freely admit. But I would point out that the legislation which brought us to our present state was drastic, and that action to reverse it will likewise have to be drastic. We have seen the futility of the more timid approach. The time has come for a courageous and vigorous attack.

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PRODUCTS AND SERVICES

THIS department, formerly listing only products made in Connecticut (from 1937 through 1959) is now available for listing not only products made in the state but also services available to industry through management, technical research or other service organizations located in Connecticut.

Listing rate, \$6.00 per listing for 12 monthly insertions, effective with the February 1960 issue. Listings are payable annually, in advance, or within 30 days after their first insertion.

Abrasives		Aircraft Engine Details		Aluminum Windows	
Fuller Merriam Company, The (Vitrified, Resinoid Bonded Grinding Wheels & Segments)	West Haven	American Standard Products, Inc. Hartford		Norlee Aluminum Prod. Corp. (combination and prime)	Bloomfield
Abrasive Adhesives		Aircraft Engines		Ammunition	
Seovil, Inc., D. & H. (for polishing metals, etc.)	Higganum	Lycoming Division Avco Mfg. Corp.		Remington Arms Co., Inc.	Bridgeport
Absorbents		Pratt & Whitney Aircraft Div., United Aircraft Corp. (aircraft)	East Hartford	Anodic Coating	
Nielsen & Sons, Inc., John R. (oil, water, and grease)	South Windsor	Aircraft Fasteners		Fenn Mfg. Co., The (Dow 17)	Newington
Accounting Forms		American Standard Products, Inc. Hartford		Anodizing	
Baker-Goodyear Co., The	Brantford	Hartford Machine Screw Co. Div. of Standard Screw Co.	Hartford	All-Brite Chemical Corp.	Watertown
Accounting Machine Cards		Seovill Manufacturing Co. (PANELOC Aircraft Fasteners)	Waterbury	Aluminum Finishing Co.	Bridgeport
Connecticut Printers, Inc.	Hartford	Aircraft Instruments		Contract Plating Co., Inc.	Stratford
Adding Machines		Gorn Electric Company, Inc.	Stamford	Leed Co., The H. A.	Hamden
Underwood Corporation	Hartford	Lewis Engineering Co., The	Naugatuck	Stamford Polishing & Plating Corp.	Stamford
Adhesives		Aircraft Nuts		Anodizing Equipment	
Polymer Industries, Inc.	Springdale	McMellon Bros., Inc.	Bridgeport	Enthone, Inc.	New Haven
Raybestos Division Raybestos-Manhattan, Inc.	Bridgeport	Aircraft—Repair & Overhaul		Asbestos	
Advertising Mats		Airport Department Pratt & Whitney Aircraft Div. Rentschler Field East Hartford		Auburn Manufacturing Company, The (gas-kets, packaging, wicks)	Middletown
Ads Inc., Div. CSW Plastic Types, Inc. (plates, services)	Rocky Hill	Aircraft Studs & Bolts		Asarcon Bronze	
Lockwood Sons, Inc., Wm. H.	Hartford	American Standard Products, Inc. Hartford		Derby Castings Company, The	Seymour
Advertising Agencies		Hartford Machine Screw Co., Div. of Standard Screw Co.	Hartford	Knapp Foundry Company, Inc. (bushing & bearing stock)	Guliford
Brunelle Co., The Charles	Hartford	Aircraft Wire & Cable		Assemblies—Small	
Jimford Advertising Agency	Middletown	Lewis Engineering Co., The	Naugatuck	American Standard Products, Inc. Hartford	
Langel-Stevens, Inc.	Orange	Aircraft Test Equipment		Barnes Co., The Wallace Div. Associated Spring Corp.	Bristol
Moore and Co., Inc.	Stamford	United Manufacturing Co., Division of The W. L. Maxson Corp.	Hamden	Greist Manufacturing Co., The	New Haven
Robotham Co., The Edward W. (Industrial)	Westport	Alumilite Aluminum Sheets		Hartford Machine Screw Co., Div. of Standard Screw Co.	Hartford
Shenton Co., K. C. (Industrial marketing)	Hartford	Leed Co., The H. A.	Hamden	Stanley Humason, Inc.	Forestville
Watson-Manning Advertising (Industrial and technical)	Stratford	Aluminum Awnings		J. H. Sessions & Son	Bristol
Advertising Plates		Aluminum—Bar, Rod, Sheet, Plate		Audio-Visual Equipment	
Lockwood Sons, Inc., Wm. H.	Hartford	Frasse & Co., Inc., Peter A.	Hartford	HB Motion Picture Service (rental & service, projection and sound)	New Haven
Advertising by Representation		Aluminum Bronze Castings		Victor Animatograph Corp. a div. of Kalart (16mm sound and silent projectors; 35mm filmstrip and sound slide film projectors)	Plainville
Hartz-Miller Associates	Meriden	Knapp Foundry Company, Inc.	Guliford	Automatic Buffing & Polishing Machines	
Air Compressors		Aluminum Castings		Harper Buffing Machine Company, The	East Hampton
Spencer Turbine Co., The	Hartford	Eastern Malleable Iron Company, The	Naugatuck	Auto Cable Housing	
Air Conditioning Contractors		Newton-New Haven Co.	West Haven	Wiremold Company, The	Hartford
Salmini Co., Inc., J. P.	Milford	Aluminum Die Castings		Automatic Control Instruments	
Air Conditioning Products		Mt. Vernon Die Casting Corporation		Bristol Co., The (temperature, pressure, flow humidity, time)	Waterbury
Dunham-Bush, Inc.	West Hartford	Pearley Products, Inc.	Stamford	Automobiles—Children's	
Air Ducts		Peerless Aluminum Foundry Co., Inc. (permanent mold)	Bridgeport	Powercar Company	Mystic
Wiremold Co., The (Retractable)	Hartford	Stewart Die Casting Div. Stewart-Warner Corp.	Bridgeport	Automotive Bodies	
Air Heaters—Direct Fired		Aluminum Foil		Metropolitan Body Company	Bridgeport
Peabody Engineering Corp.	Stamford	Republic Foil, Inc.	Danbury	Automotive Leasing	
Air Impellers		Aluminum Forgings		Motorlease Corporation, The	West Hartford
The Torrington Mfg. Co.	Torrington	Consolidated Industries, Inc. West Cheshire		Automotive Parts	
Air Cylinders		Seovill Manufacturing Company	Waterbury	Bridgeport Thermostat Div. Robertshaw-Fulton Controls Co. (automobile thermostats)	Milford
Cushman Chuck Co. (rotating)	Hartford	Aluminum Ingots		Echlin Mfg. Co., The (Ignition & Brake)	Brantford
Aircraft		Batchelder Co., Inc., Charles	Newtown	Eis Automotive Corp. (Hydraulic Power and Mechanical)	Middletown
Sikorsky Aircraft Division United Aircraft Corporation (helicopters)	Bridgeport	Lapides Metals Corp.	New Haven	Raybestos Division of Raybestos-Manhattan, Inc. (Brake Lining, Lined Brake Shoes, Clutch Facings, Automatic Transmission Parts, Fan Belts, Radiator Hose and Miscellaneous Rubber)	Bridgeport
Aircraft Accessories		Aluminum Sand Castings		Terryville Manufacturing Co. (Stampings for automotive parts)	Terryville
Chandler Evans Corp. (Piston and Jet Engine Accessories — Carburetors, Fuel Controls, Afterburner Regulators, Pumps, Servo-mechanisms and Protek-Plug Dehydrator Agents)	West Hartford	Bridgeport Deoxidized Bronze Corp.	Bridgeport	Automatic Polishing and Buffing Equipment	
Consolidated Controls Corp. (pressure & temperature controls)	Bethel	Peerless Aluminum Foundry Co., Inc.	Bridgeport	Packer Machine Company	Meriden
Fenn Mfg. Co., The (Hardened and Ground Gear assemblies)	Newington	Aluminum—Sheet and Rod		Automotive Tools	
Gabb Special Products Inc. (filler caps—pressure fuel servicing systems)	Windsor Locks	Seovill Manufacturing Company	Waterbury	Eis Automotive Corp. (Brake Tools)	Middletown
Hamilton Standard Div., United Aircraft Corp. (propellers and other aircraft equipment)	Windsor Locks	Aluminum—Sheets & Coils		Bag Sealing Machines	
Aircraft Engine Timing Tools		United Smelting & Aluminum Co., Inc.	New Haven	Derby Sealers, Inc.	Derby
Gabb Special Products, Inc. Windsor Locks		Bakelite Moldings		Waterbury Mfg. Co., The	

CONNECTICUT PRODUCTS AND SERVICES

Balls		Boilers		Seovill Manufacturing Company Waterbury	
Abbott Ball Co., The (steel bearing and burnishing)	Hartford	Bigelow Co., The	New Haven	Tinsheet Metals Co., The, (sheets and rolls)	Waterbury
Killian Steel Ball Corp., The	Hartford	Bolts and Nuts		Brass & Bronze Ingot Metal	
New Departure Div. of General Motors (steel and steel alloys)	Bristol	Clark Brothers Bolt Co.	Milford	Mitchell Smelting & Refining Co., Inc.	Botsford
Pioneer Steel Ball Company, Inc. (steel for bearings, burnishing, graining; also brass, bronze and stainless)	Unionville	Hartford Machine Screw Co., Div. of	Hartford	Whipple and Choate Company, The	Bridgeport
Superior Steel Ball Co., Inc. (steel bearings & burnishing material)	New Britain	Standard Screw Co.	Torrington	Brass, Bronze, Aluminum Castings	
Band Saw Machines		Boring Tools		Coggins Mfg. Co., The J. B.	Meriden
Thompson & Son Co., The Henry G. (automatic cut-off)	New Haven	Atrax Company, The (solid carbide)	Newington	Derby Castings Company, The	Guilford
Barrels		Bottles		Victors Brass Foundry, Inc.	Guilford
Abbott Ball Co., The (burnishing and tumbling)	Hartford	Feldman Glass Co., The	New Haven	Brass Goods	
Enthone, Inc. (tumbling)	New Haven	Box Bead		American Brass Company, The	Waterbury
Esbee Barrel Finishing Corp (burnishing & tumbling)	Byram	Bird & Son, Inc.	New Britain	Rostrand Mfg. Co., The (Ecclesiastical Brass Wares)	Milford
Baskets—Wire		Continental Can Co., Boxboard and Folding Carton Division	Montville	Seovill Manufacturing Company (to order)	Waterbury
Rolock, Inc.	Fairfield	Federal Paper Board Co., Inc.	Montville	Brass Mill Products	
Bead Chain		Lydall & Foulds Paper Co., The	Manchester	American Brass Company, The	Waterbury
Bead Chain Mfg. Co., The	Bridgeport	New Haven Board & Carton Co., The	New Haven	Chase Brass & Copper Co.	Waterbury
Beaded Chain		Robertson Paper Box Co.	Montville	Plume & Atwood Mfg. Co., The	Thomaston
Auto-Swage Products, Inc.	Shelton	Boxes		Seovill Manufacturing Company	Waterbury
Bearings		Bird & Son, Inc. (corrugated, solid fibre, cleated containers)	New Britain	Seymour Manufacturing Co., The	Seymour
Automation Bearings (ball & spherical)	Bridgeport	Connecticut Container Corporation	New Haven	Brick-Building	
Barden Corporation, The (ball)	Danbury	Continental Can Co., Fibre Drum and Corrugated Box Division	Portland	Donnelly Brick Co., The	New Britain
PaFair Bearing Co. (ball)	New Britain	Merriam Mfg. Co. (steel cash, bond, security, fitted tool and tackle boxes)	Durham	Stiles Corp., subsidiary of Plasticerete Corp.	North Haven
Marlin-Rockwell Corporation	Plainville	Warner Bros. Co., The (Acetate, Paper, Acetate and Paper Combinations, Counter Display, Setup)	Bridgeport	Bricks—Fire	
New Departure Div. of General Motors (ball)	Bristol	Boxes and Crates		Howard Company	New Haven
Norma-Hoffman Bearings Corp. (ball and roller)	Stamford	City Lumber Co. of Bridgeport, Inc., The	Bridgeport	Mullite Works Refractories, Div. H. K. Porter Co., Inc.	Shelton
Torrington Co., The	Torrington	Boxes—Folding		Bright Wire Goods	
Bel lows Assemblies		Leshine Carton Co.	Branford	Sargent & Company (Screw Eyes, Screw Hooks, Cup Hooks, Hooks and Eyes, C. H. Hooks)	New Haven
Bridgeport Thermostat Div.	Robertshaw-Milford Controls Co.	Boxes—Metal		Bronze & Aluminum Castings	
Bridgeport Thermostat Div.	Robertshaw-Milford Controls Co.	Durham Mfg. Co.	Durham	Knapp Foundry Company, Inc. (rough or machined)	Guilford
Bells		Merriam Mfg. Co. (Bond and Security, Cash and Utility, Personal Files and Drawer Safes)	Durham	Bronze Sand Castings	
Bevin Brothers Mfg. Co.	East Hampton	Seovill Manufacturing Company (aluminum, brass, bronze, copper-cosmetic, drug, hair pin, ointment, pill, powder, rouge, vanity)	Waterbury	Bridgeport Deoxidized Bronze Corp.	Bridgeport
N. N. Hill Brass Co., The	East Hampton	Boxes—Paper—Folding		Brooms—Brushes	
Belt ing		Atlantic Carton Corp.	Norwich	Fuller Brush Co., The	East Hartford
Hartford Belting Co.	Hartford	Bridgeport Paper Box Co.	Bridgeport	Buckles	
Russell Mfg. Co. (High Speed Endless, Laminated Rubber, Roll Stock all types)	Middletown	Carpenter-Hayes Paper Box Co., Inc.	East Hampton	Hawie Mfg. Co., The	Bridgeport
Bends—Pipe or Tube		Continental Can Co., Boxboard and Folding Carton Division	Montville	North & Judd Manufacturing Co.	New Britain
National Pipe Bending Co., The	New Haven	Curtis & Sons, Inc., S.	Sandy Hook	Patent Button Co., The	Waterbury
Bicycle Sundries		Folding Cartons Incorporated (paper, folding)	Versailles	Ridson Manufacturing Co., John M. Russell Div.	Naugatuck
Blackening Salts for Metals		Mills, Inc., H. J.	Bristol	Buffing & Polishing Compositions	
Du-Lite Chemical Corp.	Middletown	National Folding Box Co., Div. Federal Paper Board Co., Inc. (paper folding)	New Haven and Versailles	Apothecaries Hall Company, Division The Hubbard Hall Chemical Company	Waterbury
Enthone, Inc.	New Haven	New Haven Board & Carton Co., The	New Haven	Lea Mfg. Co.	Waterbury
Mitchell-Bradford Chemical Co.	Milford	Robertson Paper Box Co.	Montville	Burglar Alarm Systems	
Black Oxide Finishing		Warner Bros. Co., The	Bridgeport	Mosler Research Products, Inc.	Danbury
Black Oxide, Inc.	New Britain	Boxes—Paper—Setup		Burners	
Black Oxide Treatment		Bridgeport Paper Box Co.	Bridgeport	Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomaston
Bennett Metal Treating Co., The	Elnwood	Hemlinway Corporation, The	Waterbury	Burners—Automatic	
Blades		Mills, Inc., H. J.	Bristol	Peabody Engineering Corp.	Stamford
Capewell Manufacturing Company, Metal Saw Division (hack saw and band saw)	Hartford	Strouse Adler Company, The	New Haven	Burners—Coal and Oil	
Blast Cleaning Equipment		Warner Bros. Co., The	Bridgeport	Peabody Engineering Corporation (Com-bined)	Stamford
Pressure Blast Mfg. Co., Inc. (Wet and Dry and Abrasives)	Manchester	Brake Cables		Peabody Engineering Corporation (Com-bined)	Stamford
Blocks		Els Automotive Corp.	Middletown	Burners—Gas and Oil	
Howard Company (cupola fire clay)	New Haven	Brake Linings		Peabody Engineering Corporation (For Gas and Oil)	Stamford
Blower—Centrifugal Type		Raybestos Division of Raybestos-Manhattan, Inc. (Automotive and Industrial)	Bridgeport	Burnishing	
Spencer Turbine Co., The	Hartford	Russell Mfg. Co. (all types, Fused Fabric, Durak, Wireback, Extruded)	Middletown	Abbott Ball Co., The (Burnishing Barrels and Burnishing Media)	Hartford
Blower Fans		Brake Service Parts		Pioneer Steel Ball Company, Inc (balls, cones, other metallic shapes)	Unionville
Colonial Blower Company	Plainville	Els Automotive Corp.	Middletown	Burs	
Spencer Turbine Co., The	Hartford	Brass & Bronze		Atrax Company, The (carbide)	Newington
Blower Systems		American Brass Co., The (sheet, wire, rods, tubes)	Waterbury	Pratt & Whitney Co., Inc. (carbide and HSS)	West Hartford
Colonial Blower Company	Plainville	Bridgeport Rolling Mills Company (coil, sheet, strip)	Bridgeport	Business Forms	
Ripley Co.	Middletown	Bristol Brass Corp., The (sheet, wire, rods)	Bristol	Connecticut Manifold Forms Co., The	West Hartford
Blower Wheels		Chase Brass & Copper Co.	Waterbury	Business Counsellors	
Torrington Manufacturing Company, The	Torrington	Miller Company, The (phosphor bronze and brass in sheets, strips, rolls)	Meriden	Wirth Management Company	Wilton
Blueprints and Photostats		Blue Printing Machines			
Joseph Merritt & Co.	Hartford				
Blue Printing Machines					
Rotolite of New England	Glastonbury				

CONNECTICUT PRODUCTS AND SERVICES

Buttons
Frank Parizek Manufacturing Co., The Putnam Schwanda & Sons, B. (ocean pearl and plastic) Staffordville
Seovill Manufacturing Company (Uniform and Tack Fasteners) Waterbury
Waterbury Companies, Inc. (Uniform and Fancy Dress) Waterbury

Button Head Socket Screws
Holo-Krome Screw Corp. West Hartford

Cabinet Work
Hartford Builders Finish Co. Hartford

Cable—Asbestos Insulated
Rockbestos Wire & Cable Co., Div. Cerro de Pasco Corp. New Haven

Cable-Interlocked Armor
General Electric Company Bridgeport

Cable—Nonmetallic Sheathed
General Electric Company Bridgeport

Cages
Hendryx Co., The Andrew B. (bird and animal) New Haven

Cams
American Cam Company, Inc. Hartford
Bristol Instrument Gears, Inc. Forestville
Hartford Special Machinery Co., The Hartford

Cams, 2 Dimensional
Mallory Industries, Inc. West Hartford
Parker-Hartford Corporation Hartford

Cams, 3 Dimensional
Mallory Industries, Inc. West Hartford
Parker-Hartford Corporation Hartford

Capacitors
Electro Motive Mfg. Co., Inc., The (mica & trimmer) Willimantic

Carbide Dies
National Die Co., Inc., The Wolcott

Carbide Form Tools
Somma Tool Co. (for automatic screw machines) Waterbury

Carbide Shape Dies
Thomaston Tool & Die Co. (any form) Thomaston

Carbide Tools
Atrax Company, The (solid) Newington
Precision Tool & Die Co. Waterbury

Carbon Pile Type Resistors
Engineered Metals Manchester

Card Clothing
Standard Card Clothing Co., The (for textile mills) Stafford Springs

Card Indexes
Wassell Organization, Inc. Westport

Carpenter's Tools
Sargent & Company (Planes, Squares, Plumb Bobs, Bench Screws, Clamps and Saw Vises) New Haven

Carpets and Rugs
Bigelow-Sanford Carpet Co. Thompsonville

Carton Closure Equipment
Better Packages, Inc. ("Tape-O-Matic," "Better Pack") Shelton

Casket Trimmings
Bridgeport Casket Hardware Co., The Bridgeport

Casters
Bassick Company, The (Industrial and General) Bridgeport

Castings
Commercial Foundry Co., The (brass, bronze, aluminum) New Britain
Connecticut Foundry Co. (grey iron) Rocky Hill

Connecticut Malleable Castings Co. (malleable iron castings) New Haven
Ductile Iron Foundry, Inc. Stratford
Eastern Malleable Iron Company, The (malleable iron, metal and alloy) Naugatuck
Farrel-Birmingham Company, Inc. (Mechanite Nodular Iron, Steel) Ansonia
H. R. Engineering Laboratories, Inc. (centrifugal steel mold) East Haddam
Malleable Iron Fittings Co., malleable iron and steel) Branford

McLagon Foundry Co. (grey iron) New Haven
New England Alloy Casting Corp. Hartford
Newton-New Haven Co. (zinc and aluminum) West Haven

Nutmeg Crucible Steel Co. (steel) Branford
Plainville Casting Company (gray, alloy and high tensile irons) Plainville
Philbrick-Booth & Spencer, Inc. Hartford
Producto Machine Company, The Bridgeport
Seovill Manufacturing Company (Brass & Bronze) Waterbury
Turner & Seymour Mfg. Co., The (gray iron, semi steel and alloy) Torrington
Union Mfg. Co. (grey iron & semi steel) New Britain
Waterbury Foundry Company, The (highway & sash weights) Waterbury
Wilcox Crittenden & Co., Inc., (gray iron and brass) Middletown (Advt.)

Castings—Investment
Arwood Precision Casting Corp. Groton

Catalog Production
Watson-Manning Advertising Stratford

Cements—Refractory
Mullite Works Refractories, Div. H. K. Porter Co., Inc. Shelton

Centerless Grinding
Brown Manufacturing Co. Plainville
New England Centerless Grinding, Inc. New Britain
Winsted Centerless Co. West Hartford
Winsted Winsted

Centers
Ready Tool Co., The (anti friction, carbide tipped, high speed) Stratford

Centrifugal Pumps
Hamco Inc. (gasoline or electric driven) New Haven

Cermets
Russell Mfg. Co. (for missiles, and for friction materials) Middletown

Chain
Risdon Manufacturing Co., John M. Russell Div. Naugatuck
Turner & Seymour Mfg. Co., The (weldless sash, jack, safety, furnace, universal, lion and cable) Torrington

Chain-Banded
Auto-Swage Products, Inc. Shelton
Chain—Power Transmission and Conveying
Whitney Chain Company Hartford
Whitney Chain Co., The, Subsidiary of Foote Bros. Gear and Machine Corp. Hartford

Chairs
The Hitchcock Chair Company Riverton

Chemical Manufacturing
Carwin Company, The North Haven

Chemicals
Apothecaries Hall Company, Division The Hubbard Hall Chemical Company Waterbury

Axton-Cross Co. Shelton
Carwin Company, The North Haven
Fuller Brush Co., The (for cleaning and maintenance—cleaners, deodorants, detergents, disinfectants, dust absorbers and polishers) East Hartford
Macalaster Bicknell Company New Haven
MacDermid Incorporated Waterbury
Naugatuck Chemical Division United States Rubber Co. Naugatuck
New England Lime Company Canaan
Pfizer & Co., Inc., Chas. Groton
United States Chemical Corp. New Haven

Chemicals—Agriculture
Naugatuck Chemical Division United States Rubber Co. (insecticides, fungicides, weed killers) Naugatuck

Chemists—Analytical and Consulting
Bridgeport Testing Laboratory, Inc. Bridgeport

Christmas Light Clips
Foursome Manufacturing Co. Bristol

Chromium Plating
Chromium Corp. of America Waterbury
Chromium Process Company, The Shelton

Chucks
Cushman Chuck Co., The Hartford
Jacobs Manufacturing Co., The (drill chucks, lathe collet chucks and arbors) West Hartford
Skinner Chuck Co., The New Britain
Union Manufacturing Company New Britain

Chucks—Air
Cushman Chuck Co., The Hartford
Power Grip, Inc. Rockfall

Chucks—Drill
Jacobs Manufacturing Co., The West Hartford

Chuck & Face Plate Jaws
Cushman Chuck Co., The Hartford
Skinner Chuck Co., The New Britain
Union Manufacturing Company New Britain

Chucks—Lathe
Cushman Chuck Co. (power and hand operated) Hartford

Chucks—Power Operated
Cushman Chuck Co., The Hartford
Skinner Chuck Co., The New Britain
Union Manufacturing Company New Britain

Clay
Howard Company (Fire Howard "B" and High Temperature Dry) New Haven

Cleaning Compounds
Enthone, Inc. (Industrial) New Haven
MacDermid Incorporated Waterbury

Clock Mechanisms
Lux Clock Mfg. Co., The Waterbury

Clocks
E. Ingraham Co., The Bristol
United States Time Corporation, The Waterbury

Clocks—Alarm
Lux Clock Mfg. Co., The Waterbury

Clocks—Automatic Cooking
Lux Clock Mfg. Co., The Waterbury

Clutches
Snow-Nabstedt Gear Corp., The New Haven

Clutch Facings
Raybestos Division of Raybestos-Manhattan, Inc. (Molded, Woven, Semi-metallic and Full-metallic) Bridgeport
Russell Mfg. Co. (rubber Shock Cord — all sizes and types) Middletown

Coils—Electric
Bittermann Electric Company Canaan
Rowley Spring Co., Inc., The (Air-wound for television and electronic industries) Bristol

Coils—Pipe or Tube
National Pipe Bending Co., The New Haven
Whitlock Manufacturing Co., The Hartford

Coil Winding
Advanced Electronics, Inc. (custom) Rocky Hill

Cold Molded Electrical Insulation
Meriden Molded Plastics Meriden

Commercial Heat Treating
A. F. Holden Company, The West Haven

Communication Systems
Tel-Rad, Inc. Hartford

Compacts
Seovill Manufacturing Company (powder and rouge) Waterbury

Compressors
Brunner Division of Dunham-Bush, Inc. (Refrigeration, Air Conditioning and Air Compressors) West Hartford
Norwalk Company, Inc. (high pressure air and gas) South Norwalk

Computers
Reflection Electronics, Inc. Stamford
Royal McBee Corp. Hartford

Concrete Products
Plasticrete Corp. Hamden, Hartford
North Haven, Waterbury, Willimantic

Condenser and Heat Exchanger Tubes
Seovill Manufacturing Company Waterbury

CONNECTICUT PRODUCTS AND SERVICES

Cones
Sonoco Products Co. (Climax-Lowell Div.)
(paper) Mystic

Connector
Gorn Electric Co., Inc. (precision miniature electrical and printed circuit) Stamford
Construction Equipment Trailers
Kensington Welding & Trailer Co., The
Kensington

Consultants
Robotham Co., The Edward W. (advertising & marketing) Westport

Consulting Engineers
Stanley P. Rockwell Co., Inc., The (Consulting) Hartford

Continuous Mill Gages
Pratt & Whitney Co., Inc. West Hartford

Contract Machining
Laurel Mfg. Co., Inc. (Precision Production Small Parts) Plainville
Malleable Iron Fittings Company Branford
McMellon Bros., Inc. (precision threaded parts) Bridgeport

Contract Manufacturers
Advanced Electronics, Inc. Rocky Hill
American Standard Products, Inc. Hartford
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston
Fenn Mfg. Co., The (Precision Machine Works) Newington
Greist Mfg. Co., The (Metal parts and assemblies) New Haven
Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford
Merriam Mfg. Co. (production runs—metal boxes and containers to specifications) Durham
Seovill Manufacturing Company (metal parts and assemblies) Waterbury
J. H. Sessions & Son Bristol
Sperry Products Co., Div. Howe Sound Co. Danbury
Torrington Co., The Torrington
Voss Co., The Branford

Controllers
Bristol Company, The Waterbury
Manning Maxwell & Moore, Inc. Stratford

Controls—Remote
Panish Controls (Remote Controls for Marine & Aeronautic Applications) Bridgeport

Controls—Remote Hydraulic
Sperry Products Co., Div. Howe Sound Co. Danbury

Converters DC to AC
Electric Specialty Co. Stamford
Safety Electrical Equipment Corp. New Haven

Conveyor Systems
Leeds Conveyor Mfg. Co. The East Haven
Production Equipment Co. Meriden

Copper
American Brass Corp., The (sheet, wire, rods, tubes) Waterbury
Bristol Brass Corp., The (steel) Bristol
Chase Brass & Copper Co. (sheet, rod, wire, tube) Waterbury
Tinsheet Metals Co., The (sheet Waterbury and rolls)

Copper Castings
Knapp Foundry Company, Inc. Guilford

Copper Sand Castings
Bridgeport Deoxidized Bronze Corp. Bridgeport

Copper Sheets
American Brass Company, The Waterbury
New Haven Copper Co., The Seymour

Copper Shingles
New Haven Copper Co., The Seymour

Copper Water Tube
American Brass Company, The Waterbury

Copying Machines
Thermo-Fax Sales of Conn., Inc. New Haven

Cord
Russell Mfg. Co., The (marine & aero shock) Middletown

Cord Sets—Electric
General Electric Company Bridgeport
Seeger-Williams, Inc. Bridgeport

Cork Cots
Sonoco Products Co. (Climax-Lowell Div.)
Mystic

Corn Cob Meal
Nielsen & Sons, Inc., John R. (Graded) South Windsor

Correspondence Files
Wassell Organization, Inc. Westport

Corrugated Box Manufacturers
Connecticut Container Corporation New Haven
Corrugated Containers, Inc. Hartford

Corrugated Shipping Cases
Connecticut Container Corporation New Haven
Continental Can Co. Fibre Drum and Corrugated Box Division Portland
D. L. & D. Container Corp. New Haven
New Haven Board & Carton Co. New Haven

Cosmetic Containers
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston
Eyelet Specialty Div. International Silver Co. Wallingford
Lakewood Metal Products, Inc. Waterbury
Seovill Manufacturing Co. Waterbury

Cosmetics
Chesebrough-Pond's, Inc. Clinton
Fuller Brush Co., The East Hartford

Counting Devices
Veeder-Root, Inc. Hartford

Couplings
Seovill Manufacturing Company (garden and industrial hose) Waterbury

Cushioning for Packaging
Gilman Brothers Co., The Gilman

Cutters
Atrax Company, The (solid carbide) Newington
Hanson-Whitney Co., The (thread milling) Hartford
Mitrametric Co., The (ground pinion) Torrington
Pratt & Whitney Co., Inc., (Milling Cutters all types carbide and HSS) West Hartford

Cutting & Creasing Rule
Bartholomew Co., H. J. Bristol

Data Processing Equipment
Royal McBee Corp. Hartford

Decalcomanias
Sirocco Screenprints New Haven

Deep Drawings
Stanley Pressed Metal New Britain
Terryville Manufacturing Co. Terryville

Deep Hole Drilling & Reaming
Hamden Deep Hole Drilling Co. Hamden
Products Design & Mfg. Corp. Newington

Delayed Action Mechanism
M. H. Rhodes, Inc. Hartford
R. W. Cramer Company, Inc., The Centerbrook

Design
Designers for Business and Industry (product design-appearance) New Haven
Maurice Libson Designer (product styling & appearance design) New Haven

Diamonds—Industrial
Parsons Diamond Products, Inc. West Hartford
Russell, Inc., R. R. Newington

Diamond Tools
Parsons Diamond Products, Inc. West Hartford
Russell, Inc., R. R. Newington

Dictating Machines
Dictaphone Corporation Bridgeport
SoundScriber Corporation, The New Haven

Die Castings
Mt. Vernon Die Casting Co. Stamford
Peasley Products, Inc. (aluminum and zinc) Stratford
Newton-New Haven Co., Inc. New Haven
Stewart Die Casting Div. Stewart-Warner Corp. Bridgeport

Die Casting Dies
Eastern Machine Screw Corp., The New Haven
Weimann Bros. Mfg. Co., The Derby

Die Heads—Self Opening
Eastern Machine Screw Corp., The New Haven
Geometric Tool Division Greenfield Tap & Die Corp. New Haven

Die Sets
Producto Machine Company, The Bridgeport
Superior Steel Products Corp. (steel) Cheshire
Union Mfg. Co. (precision, steel and semi-steel) New Britain

Dies
Hoggson & Pettis Mfg. Co., The New Haven
Mitrametric Co., The (ground for gears) Torrington
Pratt & Whitney Co., Inc. (thread cutting and thread rolling) West Hartford

Dies & Die Cutting
Douglas Co., Geo. M. New Haven

Dielectric Heaters
Radio Frequency Co., Inc. New Britain

Displays
Sansome Co., S. Frederick (design & production) Short Beach

Display Containers
National Folding Box Co. Div. Federal Paper Board Co., Inc. (folding paperboard) New Haven and Versailles

Displays—Design & Production
Ad-Craft Displays, Inc. Bloomfield
Stifel & Kufta New Britain

Display Equipment
Polecats, Inc. Old Saybrook

Displays—Metal
Durham Mfg. Co., The (Designing & Mfg. to customers' specifications) Durham
Merriam Mfg. Co. (Contract Work to Individual Specifications) Durham
Parsons Co., Inc., W. A. (custom designed) Durham

Displays—Plastic
Dura Plastics of New York, Inc. Westport
Displays—Wire
J. C. Products, Inc. Higganum

Diversification Advisors
Wirth Management Company Wilton

Door Closers
Sargent & Company New Haven

Doors
Bilco Co., The (metal, residential and commercial) West Haven

Dowel Pins
Allen Manufacturing Co., The Bloomfield
Hartford Machine Screw Co. Div. of Standard Screw Co. Hartford
Holo-Krome Screw Corp., The West Hartford
Torrington Co., The Torrington

Drafting Accessories
Joseph Merritt & Co. Hartford

Drawn Shells
Cly-Del Manufacturing Co. Waterbury

Drill Presses
Sigourney Tool Co. (sensitive drilling machines) Bloomfield
Townsend Mfg. Co., The H. P. Elmwood

Drilling Machines
Pratt & Whitney Co., Inc. (Deep Hole) West Hartford

Drilling Service—Hard Steel
Walton Co., The West Hartford

Drilling and Tapping Units
Hartford Special Machinery Co. Hartford

Drop Forgings
Atwater Mfg. Co. Plantsville
Billings & Spencer Co., The Hartford
Consolidated Industries West Cheshire
Wilcox Crittenden & Co., Inc. Middletown

CONNECTICUT PRODUCTS AND SERVICES

Duplicating Machines	
Thermo-Fax Sales of Conn., Inc.	New Haven
Duplicating Machines—Automatic	
Pratt & Whitney Co., Inc.	West Hartford
Dust Collectors	
Colonial Blower Co.	Plainville
Elastic	
Russell Mfg. Co. (rubber shock cord — all sizes and types)	Middletown
Electric Cables	
General Electric Company (for residential, commercial and industrial applications)	Bridgeport
Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (asbestos insulated)	New Haven
Electric Cord Springs	
Bristol Spring Manufacturing Co.	Plainville
Electric Cords	
General Electric Company	Bridgeport
Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (asbestos insulated)	New Haven
Electric Enclosed Switches	
Arrow-Hart & Hegeman Electric Co., The	Hartford
Electric Eye Control	
Ripley Company, Inc.	Middletown
Electric Fixture Wire	
Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (asbestos insulated)	New Haven
Electric Hand Irons	
Winsted Hardware Mfg. Co. (trade mark "Durablitt")	Winsted
Electric Heating Elements	
Hartford Element Co.	Hartford
Electric Insulation	
Stevens Paper Mills, Inc., The	Windsor
Electric Lighting Fixtures	
Wasley Products, Inc.	Plainville
Electric Motor Controls	
Arrow-Hart & Hegeman Electric Co., The	Hartford
Electric Motor Winding	
Monarch Electric Co. (3 phase industrial motors)	New Britain
Electric Motor Repair	
B & J Electric Co.	Ansonia
Electric Motors	
Electric Specialty Co.	Stamford
Harvey Hubbell Incorporated	Bridgeport
Iona Manufacturing Company, The	Manchester
Monarch Electric Co. (Allis Chalmers)	New Britain
Safety Electrical Equipment Corp.	New Haven
U. S. Electrical Motors, Inc.	Milford
Electric Switches	
Harvey Hubbell, Incorporated	Bridgeport
Electric Time Controls	
Cramer Controls Corporation, The	Centerbrook
Electric Wire	
Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (asbestos insulated)	New Haven
Electric Wiring Devices	
Arrow-Hart & Hegeman Electric Co., The	Hartford
Harvey Hubbell, Incorporated	Bridgeport
Electrical Appliances	
Iona Manufacturing Company, The	Manchester
Electrical Conduit Fittings & Grounding Specialties	
Gillette-Vibber Company, The	New London
Electrical Connectors	
Burndy Corporation	Norwalk
Electric Control Apparatus	
Plainville Electrical Products Co., The	Plainville
Electrical Controls	
Monarch Electric Co. (Allis Chalmers)	New Britain
Electrical Insulation	
Case Brothers, Inc.	Manchester
Electrical Recorders	
Bristol Co., The	Waterbury
Electrical Relays and Controls	
Allied Control Co.	Plantsville
Electrical Switchboards	
Plainville Electrical Products Co., The	Plainville
Pneumatic Applications Co.	Simsbury
Electrical Wiring Systems	
Wiremold Co., The	Hartford
Electro Mechanical Prototypes	
Victor Tool & Mfg., Inc.	Higganum
Electronic Assemblies	
Advanced Electronics, Inc. (custom)	Rocky Hill
Electronic Parts	
Patent Button Company, The	Waterbury
Prentice Mfg. Co., The G. E. (stampings to customers' specifications)	Kensington
Terryville Manufacturing Co. (Stampings to customer specifications)	Terryville
Electronics	
Anderson Laboratories, Inc.	West Hartford
Ripley Co.	Middletown
Sturup Larabee & Warmers, Inc.	Middletown
Vinco Electronics Corporation	New Haven
Electro-Mechanical Assemblies	
Advanced Electronics, Inc. (custom)	Rocky Hill
Electroplating	
Coggins Mfg. Co., The J. B.	Meriden
Giering Metal Finishing, Inc.	Hamden
National Sherardizing & Machine Co.	Hartford
Waterbury Plating Company	Waterbury
Electroplating—Equipment & Supplies	
Apothecaries Hall Company	Division
Enthone, Inc.	New Haven
Hubbard Hall Chemical Company, The	Waterbury
Lea Manufacturing Co., The	Waterbury
MacDermid, Incorporated	Waterbury
Electroplating Processes and Supplies	
Enthone, Inc.	New Haven
Electrotypes	
Barnum-Hayward Electrotpe Co., Inc.	New Haven
Lockwood Sons, Inc., Wm. H.	Hartford
New Haven Electrotpe Div. Electrographic Corp.	New Haven
Elevators	
Eastern Elevator Co. (passenger and freight)	New Haven
General Elevator Service Co.	Hartford
Employment Agencies	
Administrative-Technical Personnel Service	Hartford
Advancement Opportunities	Hartford
Burnham Employment Agency (executive, technical, secretarial)	Hartford
Rita, Richard P. Personnel Services, Inc.	New Haven, Bridgeport & Hartford
Snelling & Snelling	Hartford
Enameling	
Giering Metal Finishing, Inc.	Hamden
Waterbury Plating Company	Waterbury
Enamels & Lacquers	
Dobbs Chemical Co., The (industrial finishes to customers' specifications)	New Haven
Engineering	
Research & Development Designers, Inc.	Middletown
Technical Design and Development Co., Inc. (design and drafting)	Milford
Engineering Service	
Lacey Manufacturing Co., The	Bridgeport
End Mills	
Atrax Company, The (solid carbide)	Newington
Engraving—Plastic and Nonferrous Metals	
New England Engraving Company Div. of Dura Plastics of New York, Inc.	Westport
Pratt & Whitney Co., Inc. (carbide and HSS)	West Hartford
Salisbury Products, Inc.	Lakeville
Envelopes	
Curtis 1000, Inc.	Hartford
United States Envelope Company	Hartford Division
Environmental Test Equipment	
American Research Corp.	Farmington
Excelsior	
Nielsen & Sons, Inc., John R.	South Windsor
Executive Recruiting	
Advancement Opportunities	Hartford
Explosives	
Ensign-Bickford Co., The (safety fuse, detonating fuse, blasting accessories)	Simsbury
Extensions—Tap	
Walton Co., The	West Hartford
Extractors	
Walton Co., The (tap, pipe & stud)	West Hartford
Extraction Service	
Walton Co., The (taps, drills, studs)	West Hartford
Extruders and Accessories	
Davis Electric Company (Ram Type Teflon Extruder)	Wallingford
Standard Machinery and Davis-Standard Divisions of Franklin Research Corp.	Mystic
Eyelets	
American Brass Co., The	Waterbury
Arro Eyelet & Tool Co. (small-printed circuit, brass & copper)	Waterbury
Cly-Del Manufacturing	Waterbury
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomaston
Gem Machine & Tool Co.	Waterbury
Mark Eyelet & Stamping Co. (small-metal stampings)	Wolcott
Platt Bros. & Co., The	Waterbury
Stevens Co., Inc.	Waterbury
Salem Mfg. Co.	Prospect
Eyelets, Ferrules and Wiring Terminals	
American Brass Company, The	Waterbury
Eyelet Machine Products	
American Brass Company, The	Waterbury
Ball & Socket Mfg. Co., The	West Cheshire
Cold Forming Mfg. Co., The	Waterbury
Lakewood Metal Products, Inc.	Waterbury
Dorset-Rex Inc., Subsidiary of Landers, Frary & Clark	Thomaston
National Die Co., Inc., The	Wolcott
Platt Bros. & Co., The	Waterbury
Stevens Co., Inc.	Waterbury
Eyelet Parts	
Auto-Swage Products, Inc.	Shelton
Fabricators	
Scovill Manufacturing Company (aluminum, brass, bronze, copper, steel)	Waterbury
Fabrics	
Russell Mfg. Co. (Teflon, Moulded Fabric, Bearing Surfaces, High Temperature Fabrics)	Middletown
Fan Blades	
Torrington Manufacturing Company, The	Torrington
Fans—Electric	
General Electric Company	Bridgeport
Monarch Electric Co. (attic, industrial and ventilating)	New Britain
Fasteners—Aircraft	
Scovill Manufacturing Company (PANELOC Aircraft Fasteners)	Waterbury
Fasteners—Industrial	
Torrington Co., The	Torrington
Fasteners—Laundry Proof	
Scovill Manufacturing Company (GRIPPER snap fasteners)	Waterbury
Fasteners—Slide & Snap	
Scovill Manufacturing Company (GRIPPER zippers and GRIPPER snap fasteners)	Waterbury
Felt	
Auburn Manufacturing Company, The (mechanical, cut parts)	Middletown
Drycor Felt Company (paper makers and industrial)	Staffordville
Felt—All Purpose	
American Felt Co. (Mill & Cutting Plant)	Glenville
Chas. W. House & Sons, Inc. (Mills & Cutting Plant)	Unionville

CONNECTICUT PRODUCTS AND SERVICES

Fiber-glass Fabrication		Forming Tools		Grinding Machines	
Davis Co., The E. J.	West Haven	C. & S. Tool Co., Inc.	Berlin	Farrel-Birmingham Company, Inc. (Roll)	Ansonia
Fibre Board		Forms		Grinding Wheels	
Bird & Son, Inc.	New Britain	Baker Goodyear Co. (Columnar and Analysis)	Branford	Fuller Merriam Company, The	West Haven
Case Brothers, Inc.	Manchester	Foundries		Grommets	
Colonial Board Company	Manchester	Connecticut Malleable Castings Co. (malleable iron castings)	New Haven	American Brass Company, The	Waterbury
C. H. Norton Co., The	Westchester	Derby Castings Company, The	Seymour	Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomaston
Stevens Paper Mills, Inc., The	Windsor	Ductile Iron Foundry, Inc.	Stratford	Ground Plate	
Fiberglass Products		Malleable Iron Fittings Co. (Malleable Iron and Steel Castings)	Branford	Superior Steel Products Corp.	Cheshire
Fiberglass Products Eng. Co.		New England Alloy Casting Corp.	Hartford	Guards	
File Cards		Plainville Casting Company (gray, alloy and high tensile irons)	Plainville	Interstate Industrial Protection Co. (watchmen service)	Bridgeport
Standard Card Clothing Co., The	Stafford Springs	Producto Machine Company, The	Bridgeport	Hack and Band Saw Blades	
Filing Equipment		Turner & Seymour Mfg. Co., The (gray, iron, semi steel and alloy)	Torrington	Capewell Manufacturing Co.	Hartford
Wassell Organization, Inc.	Westport	Union Mfg. Co. (gray iron & semi steel)	New Britain	Hair Hygiene Preparations	
Film Processing Machinery		Wilcox Crittenden & Co., Inc. (iron, brass, aluminum and bronze)	Middletown	Parker Herhex Corporation	Stamford
Filmline Corporation	Milford	Fountain Pens and Mechanical Pencils		Hammer and Axe Wedges	
Filters—Fluid		Waterman Pen Company, Inc.	Seymour	Saling Manufacturing Company ("Sta-Fast" steel)	Unionville
Aslop Engineering Co.	Milddale	Foundry Riddles		Hammers—Carpenters and Machinists	
Cuno Engineering Corp., The	Meriden	John P. Smith Co., The	New Haven	Capewell Manufacturing Company	Hartford
Filter Media		Four Slide Forms		Hand Tools	
National Filter Media Corp. (cloth & paper)	New Haven	Peck Spring Co.	Plainville	Billings and Spencer Company (wrenches, sockets and shop tools)	Hartford
Finger Nail Clippers		Fuel Oil Pump and Heater Sets		Bridgeport Hardware Mfg. Corp., The (screw drivers, wrenches, nail pullers, box & crate openers, pliers, saws, trowels & special forgings)	Bridgeport
H. C. Cook Co., The	Ansonia	Peabody Engineering Corporation	Stamford	Hardened and Ground Parts	
Firearms		Furnaces		Hartford Machine Screw Company	Hartford
Colt's Patent Fire Arms Mfg. Co., Inc.	Hartford	Rockwell Co., W. S. (Industrial)	Fairfield	Div of Standard Screw Co.	Hartford
Junior Screw Machine Products, Inc.	West Haven	Gate Blocks		Hardness Testers	
Marlin Firearms Co., The	New Haven	Pratt & Whitney Co., Inc. (Alloy steel and Carbide, Hoke and USA)	West Hartford	Wilson Mechanical Instrument Div American Chain & Cable Company, Inc.	Bridgeport
O. F. Mossberg & Sons, Inc.	New Haven	Galvanizing		Hardware	
Fire Alarm Systems		Malleable Iron Fittings Co.	Branford	Bassick Company, The (Automotive)	Bridgeport
Fire-Lite Alarms, Inc.	New Haven	Wilcox Crittenden & Co., Inc.	Middletown	Engle Lock & Screw Co.	Terryville
Fire Hose		Garment Accessories		Gordon Associates	Derby
Fabrics Fire Hose (municipal and industrial)	Sandy Hook	Oakville Co. Div. Scovill Mfg. Co.	Oakville	Harlock Products Corp.	New Haven
Fireplace Goods		Gaskets		Sargent & Company	New Haven
Puritan Fireplace Furnishing Co.	Milford	Auburn Manufacturing Company, The (from all materials)	Middletown	Wilcox Crittenden & Co., Inc. (marine heavy and industrial)	Middletown
Fireworks		Fitzgerald Manufacturing Co.	Torrington	Yale & Towne Mfg. Co., The	Stamford
M. Backes' Sons, Inc.	Wallingford	Raybestos Division of Raybestos-Manhattan, Inc.	Bridgeport	Hardware—Marine & Bus	
Flame Hardening		Gaskets—Metallic		Rostand Mfg. Co., The	Milford
Flame Treating & Engineering Co., The	West Hartford	Laminated Shlm Company, Inc.	Glenbrook	Hardware—Trailer Cabinet	
Flashlights		Gas Scrubbers, Coolers and Absorbers		Excelsior Hardware Co., The	Stamford
Bridgeport Metal Goods Mfg. Co.	Bridgeport	Peabody Engineering Corporation	Stamford	Hardware, Trunk & Luggage	
Flat Head Socket Screws		Gauges		Corbin Cabinet Lock Div. American Hardware Corp.	New Britain
Holo-Krome Screw Corp.	West Hartford	Bristol Co., The (pressure and vacuum-recording automatic control)	Waterbury	J. H. Sessions & Son	Bristol
Flat Springs		Helleloid Gauge Division American Chain & Cable Co., The (pressure and vacuum)	Bridgeport	Yale & Towne Mfg. Co., The	Stamford
Bristol Spring Manufacturing Co.	Plainville	J. & S. Machine Co., Inc. (End Measures, Cyl Plugs & Rings)	Hartford	Harrow Discs	
Gemco Manufacturing Co., Inc.	Southington	Manning Maxwell & Moore, Inc.	Stratford	Scovill, Inc., D. & H.	Higganum
Flatware—Stainless Steel		New Haven Trap Rock Co., The	Machine Products Div (Johan Universal and Special Purpose Gauge)	Hats	
Majestic Silver Co., The	New Haven	Pratt & Whitney Co., Inc. (Precision Measurement all types)	West Hartford	Hat Corporation of America (men's felt)	South Norwalk
Flexible Shaft Machines		Gears		Hat Machinery	
Pratt & Whitney Co., Inc.	West Hartford	Bridgeport Worm & Gear Mfg. Co.	Bridgeport	Doran Bros., Inc.	Danbury
Floats		Bristol Instrument Gears, Inc.	Forestville	Health Surgical & Orthopedic Supports	
Sansome Co., S. Frederick (parade)	Short Beach	Mitrametric Co., The (blanked fine pitch)	Torrington	Berger Brothers Company, The (custom made for back, breast and abdomen)	New Haven
Float Switches		Gears and Gear Cutting		Heaters	
Gorn Electric Co., Inc. (for aircraft and commercial use)	Stamford	Farrel-Birmingham Company, Inc.	Ansonia	Silent Glow Oil Burner Corp., The (portable oil)	Hartford
Floor & Ceiling Plates		Fenn Mfg. Co., The	Newington	Heat Elements	
Beaton & Cadwell Mfg. Co., The	New Britain	United Gear & Machine Co.	Suffield	Electroflex Heat, Inc.	Hartford
Fluorescent Lighting Equipment		Generators		Safeway Heat Elements, Inc. (woven wire resistance type)	Middletown
Wiremold Company, The	Hartford	Hamco, Inc. (electric, portable, gasoline driven)	New Haven	Heat Exchangers	
Foam Rubber		Safety Electrical Equipment Corp.	New Haven	Whitlock Manufacturing Co.	Hartford
Armstrong Rubber Company, The	West Haven	Glass Blowing		Heat Sealing—Electronic	
Forgings		Macelaster Bicknell Company	New Haven	Berger Bros. (vinyl-polyethylene)	New Haven
Atwater Manufacturing Co.	Plantville	Glass Containers			
Billings & Spencer Company	Hartford	Feldman Glass Co., The	New Haven		
Bridgeport Hardware Mfg. Corp., The	Bridgeport	Glass Cutters			
Capewell Manufacturing Company	Hartford	Fletcher-Terry Co., The	Forestville		
Chase Brass & Copper Co.	Waterbury	Grinding			
Consolidated Industries, Inc.	West Cheshire	Farrel-Birmingham Company, Inc. (Roll and Cylindrical)	Ansonia		
Heppenstall Co. (all kinds and shapes)	Bridgeport	Horsberg Grinding Industries, Inc. (Precision custom grinding; centerless, cylindrical, surfaces, internal and special)	Bridgeport		
Ideal Forging Corp.	Southington	K-F & D Mfg. Company, The (Contour and Precision)	Manchester		
Scovill Manufacturing Company (Non-ferrous)	Waterbury				

CONNECTICUT PRODUCTS AND SERVICES

Heat Treating

ABA Tool & Die Co. Manchester
Bennett Metal Treating Co., The Elmwood
Commercial Metal Treating Co. Bridgeport
Hartford Machine Screw Company

New Britain-Gridley Machine Division
The New Britain Machine Co.

New Britain
New Haven Heat Treating Co., Inc.

Progressive Metal Treating (tool and production)
Skene Co., Inc., The William A. (metals) Bridgeport

Skinner Chuck Co., The New Britain
Stanley P. Rockwell Co., Inc., The Hartford (Adv.)

Hartford (Adv.)

Heat Treating Salts and Compounds

Barnes Co., The, Wallace Div. Associated
Spring Corp. Bristol

Bauer & Company, Inc. Hartford
Rolock, Inc. (Retorts, Muffles, etc.)

Fairfield
Stanley P. Rockwell Co., Inc., The (commercial) Hartford

Heat Treating Fixtures

Rolock, Inc. (Trays, Baskets, etc.) Fairfield
Wiretex Mfg. Co., Inc. Bridgeport

Heat Treating Salts and Compounds

Mitchell-Bradford Chemical Co. Milford

Heaters—Electric

General Electric Company Bridgeport

Heating and Cooling Coils

G & O Manufacturing Co. New Haven

Heating Elements

Hartford Element Co. Hartford

Heavy Chemicals

Naugatuck Chemical Division, United
States Rubber Co. (sulphuric, nitric, and
muriatic acids and aniline oil)

Naugatuck

Hex-Socket Screws

Allen Manufacturing Company, The
Bloomfield

Bristol Company, The Waterbury
Hartford Machine Screw Co., Div. of
Standard Screw Co. Hartford

High Frequency Alternators

Electric Specialty Co. Stamford
Safety Electrical Equipment Corp. New Haven

Highway Guard Rail Hardware

Malleable Iron Fittings Co. Branford

Hinges

Homer D. Bronson Company Beacon Falls

Hobs and Hobbings

Pratt & Whitney Co., Inc. (Die and Thread
milling) West Hartford

Hobs

Hanson-Whitney Co., The (fine pitch gear)

Hoes

Seovill, Inc., D. & H. (eye and grub)
Higganum

Hoists and Trolleys

Union Mfg. Company New Britain

Hooks & Eyes

Oakville Co. Div., Seovill Mfg. Co. Oakville

Homogenizers

Sonic Engineering Corp. Stamford

Honing

K-F & D Mfg. Company, The Manchester

Hose Fittings

Seovill Manufacturing Company (garden
and industrial hose) Waterbury

Hose—Flexible Metallic

American Brass Co., American Metal
Hose Branch Waterbury
Johnson Metal Hose, Inc. Waterbury

Hose Supporter Trimmings

Hawle Mfg. Co., The (So-Lo Grip Tabs)
Bridgeport

Hospital Products

Seamless Rubber Company New Haven

Hospital & Rehabilitation Equipment

Polecats, Inc. Old Saybrook

Hydraulic Brake Fluids

Els Automotive Co. Middletown

Hydraulic Components and Systems

Vickers Incorporated Marine & Ordnance
Dept. Waterbury

H.S. Form Tools

Somma Tool Co. (for automatic screw machines)
Waterbury

Hypodermic Needles

Rochr Products Company Waterbury

Ignitors

Peabody Engineering Corporation (gas,
electric or oil, electric) Stamford

Impregnating

American Metaseal, Inc. (metal, wood, etc.)
Hamden

Inclinerators

Silent Glow Oil Burner Corp., The
Hartford

Indexing Heads

Hartford Special Machinery Co., (Hartford
"Super-Spacers") Hartford

Induction Hardening

Flame Treating & Engineering Co.
West Hartford

Induction Heaters

Radio Frequency Co., Inc. New Britain

Industrial Chrome Plating

Mirror Polishing & Buffing Co. Waterbury

Industrial Coatings

Aluminized Finish & Mfg. Co. (vacuum)
Cromwell

Illuminized Finish Co. (vacuum) Cromwell

Industrial Design

Van Dyck Associates (product appearance
and engineering) Westport

Industrial Displays

Sansone Co., S. Frederick (Designers,
Builders and Counselors) Short Beach

Industrial Finishes

Chemical Coatings Corporation Rocky Hill

Industrial Security

Interstate Industrial Protection Co.
Bridgeport

Industrial Tapes

Seamless Rubber Company New Haven

Industrial Testing Services

Sperry Products Co., Div. of Howe Sound Co.
Ultrasonic, X-ray and magnetic particle)
Danbury

Infrared Detectors

Barnes Engineering Co. (and systems)
Stamford

Inks

Waterman Pen Company, Inc. Seymour

Insecticides

American Cyanamid Company Waterbury
Fuller Brush Co., The East Hartford

Inserts—Screw Threads

Heli-Coil Corp. Danbury

Instalment Payment Books

Wassell Organization, Inc. Westport

Insulated Wire & Cable

General Electric Company (for residential
commercial and industrial applications)
Bridgeport

Kerite Company, The Seymour

Insulated Wire & Cable Machinery

Davis Electric Company Wallingford

Instruments

Bristol Company, The Waterbury
Manning Maxwell & Moore, Inc. Stratford

Penn Keystone Corporation Derby
Pratt & Whitney Co., Inc. (Precision
Measuring) West Hartford

Sperry Products Co., Div. of Howe Sound Co.
Ultrasonic flaw detection and thickness
measurement) Danbury

Terryville Manufacturing Co. (stampings
for) Terryville

Intercommunication

Action Systems Co. Meriden

Interval Timers

Lux Clock Manufacturing Company
Waterbury

Rhodes, Inc., M. H. Hartford

Jacquard Cards

Case Brothers, Inc. Manchester

Japanning

H. Sessions & Son Bristol

Jig Borer

Atlantic Machine Tool Works, Inc. (At-
lantic in several sizes) Newington

Linley Brothers Company Bridgeport
Moore Special Tool Co. (Moore) Bridgeport
Pratt & Whitney Co., Inc. West Hartford

Jigs, Fixtures & Gages

Federal Machine & Tool Co. Bristol

Jig Grinder

Moore Special Tool Co. (Moore) Bridgeport

Junior Automobiles

Power Car Company Mystic

Key Blanks

Sargent & Company New Haven

Labels

Naugatuck Chemical Division, United
States Rubber Co. (for rubber articles)
Naugatuck

Label Dispensers

Derby Sealers, Inc. (pressure-sensitive
labels) Derby

Label Moisteners

Better Packages, Inc. ("Counterboy" —
"Packer") Shelton

Derby Sealers, Inc. Derby

Laboratory Equipment

Eastern Industries, Inc. New Haven

Laboratory Supplies

Macalaster Bicknell Company New Haven

Laces

American Fabrics Company, The
Bridgeport

Wilcox Lee Corporation, The Middletown

Lacquers & Synthetic Enamels

Chemical Coatings Corporation Rocky Hill
I-Sis Chemicals, Inc. Stamford

Ladders

Flint Co., A. W. New Haven

Lamp Products

de Sherbinin Products, Inc. W. N.
Hawleyville

Lampholders—Incandescent & Fluorescent

General Electric Company Bridgeport

Lamp Shades

Verplex Company, The Essex

Lathe Chucks

Whiton Machine Co. New London

Lathes—Toolroom and Automatic

Pratt & Whitney Co., Inc. West Hartford

Lead Plating

Christie Plating Co., The Groton

Leather

Herman Roser & Sons, Inc. (Genuine
Pigskin) Glastonbury

Leather Dog Furnishings

Andrew B. Hendryx Co., The New Haven
The Smith-Worthington Saddlery Co.
Hartford

Leather, Mechanical

Auburn Manufacturing Company, The
(packings, cubs, washers, etc.)
Middletown

Letterheads

Lehman Brothers, Inc. (designers, engravers,
lithographers) New Haven

Lighting Equipment

Miller Co., The (Miller, Ivanhoe) Meriden

Lime

New England Lime Company Canaan

Lipstick Cases

Seovill Manufacturing Company Waterbury

CONNECTICUT PRODUCTS AND SERVICES

Lipstick Containers
Bridgeport Metal Goods Mfg. Co. Bridgeport
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston
Lakewood Metal Products, Inc. Waterbury

Lithography
City Printing Co., The New Haven
Connecticut Printers, Inc. Hartford
Lehman Brothers, Inc. New Haven
Muirson Label Co., Inc. Meriden
O'Toole & Sons, Inc., T. Stamford
Steinbach & Sons, A. D. New Haven

Locks—Builders
Sargent & Company New Haven

Locks—Cabinet
Excelsior Hardware Co., The Stamford

Lock Nuts
McMellon Bros., Inc. Bridgeport

Locks—Suitcase and Trimmings
Excelsior Hardware Co., The Stamford

Locks—Trunk
Excelsior Hardware Co., The Stamford

Locks—Zipper
Excelsior Hardware Co., The Stamford

Loom—Non-Metallic
Wiremold Company, The Hartford

Lumber & Millwork Products
City Lumber Co. of Bridgeport, Inc. Bridgeport

Machetes
Collins Company, The Collinsville

Machine Designers and Manufacturers
Research & Development Designers, Inc. Middletown

Machine Shop Fabrication
Advanced Electronics, Inc. Rocky Hill

Machine Tools
Farrel-Birmingham Company, Inc. Ansonia
Pratt & Whitney Co., Inc. West Hartford
Producto Machine Company, The Bridgeport

Machine Work
Banthin Engineering Co. Bridgeport
Essex Machine Works, Inc. Essex
Farrel-Birmingham Company, Inc. Ansonia
Fenn Manufacturing Company, The (precision parts) Newington
Fuller Brush Co., The (precision contract work) East Hartford
Hartford Special Machinery Co., The (contract work only) Hartford
McMellon Bros., Inc. (precision threaded parts) Bridgeport
National Sheradizing & Machine Co. (job) Hartford
New Haven Trap Rock Co., The, Machine Products Div. North Branford
Parker-Hartford Corporation Hartford
Safety Electrical Equipment Corp. New Haven
Torrington Manufacturing Co., The (special rolling mill machinery) Torrington
Torrington Co., The Torrington

Machinery
Conn. Machine Repair, Inc. (special mfg.) Bridgeport
Davis Electric Company (Wire and Cable) Wallingford
Fenn Manufacturing Company, The (special) Newington
Hallden Machine Company, The (mill) Thomaston
Torrington Manufacturing Co., The (mill) Torrington
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (metal working) Waterbury

Machinery—Automatic
Banthin Engineering Company (new and rebuilt) Bridgeport

Machinery—Automatic Feeding
Technical Design and Development Co., Inc. Milford

Machinery—Bolt and Nut
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machinery—Cold Heading
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machinery Dealers & Rebuilders
Botwinik Brothers New Haven
Bristol Metal Working Equipment East Hartford
Conn. Machine Repair, Inc. Bridgeport
J. L. Lucas and Son Fairfield
State Machinery Co., Inc. New Haven

Machinery—Extruding
Standard Machinery and Davis-Standard Divisions of Franklin Research Corp. Mystic

Machinery—Metal-Working
Fenn Mfg. Co., The Newington
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury
Pratt & Whitney Co., Inc. West Hartford

Machinery—Nut
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (forming and tapping) Waterbury

Machinery—Screw and Rivet
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machinery—Wire Drawing
Fenn Mfg. Co., The Newington
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machinery Rebuilding
Conn. Machine Repair, Inc. Bridgeport

Machinery—Wire Straightening
Shuster Wire Machine Div., Mettler Machine Tool, Inc. New Haven
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machinery—Wire Straightening & Cutting
Shuster Wire Machine Div., Mettler Machine Tool, Inc. New Haven

Machines
Allison-Campbell Div., American Chain & Cable Co., Inc. (abrasive cutting machines and wheels) Bridgeport
Coulter & McKenzie Machine Co., The (special, new development engineering design and construction) Bridgeport

Machines—Automatic Chucking
New Britain-Gridley Machine Division, The New Britain Machine Co. (multiple spindle and double end) New Britain
Pratt & Whitney Co., Inc. (Potter & Johnson) West Hartford

Machines—Draw Benches
Fenn Manufacturing Company, The Newington

Machines—Forming
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machines—Forming
Nilson Machine Company, The A. H. (four-slide wire and ribbon stock) Shelton

Machines—Paper Ruling
John McAdams & Sons, Inc. Norwalk

Machines—Precision Boring
New Britain-Gridley Machine Division, The New Britain Machine Co. New Britain

Machines—Rolling
Fenn Manufacturing Company, The Newington

Machines—Slotting
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (screw head) Waterbury

Machines—Special
Fenn Mfg. Co., The Newington
Fuller Brush Co., The East Hartford

Machines—Special Build
Essex Machine Works, Inc. Essex

Machines—Swaging
Fenn Mfg. Co., The Newington
Torrington Co., The Torrington
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machines—Thread Rolling
Shuster Wire Machine Div., Mettler Machine Tool, Inc. New Haven
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machines—Turks Head
Fenn Mfg. Co., The Newington
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machines—Wire Drawing
Fenn Mfg. Co., The Newington
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Machining—Horizontal Boring
Tucker Machine Co. New Haven

Magnesium Sand Castings
Peerless Aluminum Foundry Co., Inc. Bridgeport

Management Consultants
Administrative-Technical Personnel Service Hartford

Management Counsel
Wirth Management Company Wilton

Manganese Bronze Ingot
Whipple and Choate Company Bridgeport

Manicure Instruments
W. E. Bassett Company, The Derby

Manifold Forms
Walters Business Forms, Inc. Bloomfield

Marine Equipment
Wilcox-Crittenden Div., North & Judd Mfg. Co. Middletown

Marine Machines
Essex Machine Works, Inc. (Propellers, Shafts, etc.) Essex

Marine Reserve Gears
Snow-Nabstedt Gear Corp., The New Haven

Marketing Counsel
Brunelle Co., The Charles Hartford

Market Studies and Reports
Wirth Management Company Wilton

Marketing Service
Business Incubation Laboratory Wilton

Marking Devices
Cooney Engraving Co. Branford
Hoggson & Pettis Mfg. Co., The New Haven
Parker-Hartford Corporation (steel) Hartford

Marking Tools
Parker-Hartford Corporation Hartford

Masonry Products
Plastercrete Corp. Hamden, Hartford
North Haven, Waterbury, Willimantic

Materials Handling
Parsons Co., Inc., W. A. (tote pans) Durham

Mats—Newspaper
Lockwood Sons, Inc., Wm. M. Hartford

Mattresses
Waterbury Mattress Co. Waterbury

Metal Boxes
Durham Mfg. Co. Durham
Parsons Co., Inc., W. A. (tool kits) Durham

Metal Boxes and Displays
Durham Mfg. Co., The (Designing & Mfg. to customers' specifications) Durham
Merriam Mfg. Co. (Bond, Security, Cash, Utility, Personal Files, Drawer Safes, Custombuilt containers and displays) Durham

Metal Cleaners
Apothecaries Hall Company Division, The Hubbard Hall Chemical Company Waterbury
Enthone, Inc. New Haven
MacIermid, Incorporated Waterbury

Metal Finishes
Enthone, Inc. New Haven
Mitchell-Bradford Chemical Co. Milford

Metal Finishing
Contract Plating Co., Inc. Stratford
Hartford Industrial Finishing Co. Hartford
National Sheradizing & Machine Co. Hartford
Stamford Polishing & Plating Corp. Stamford
Waterbury Plating Company Waterbury

CONNECTICUT PRODUCTS AND SERVICES

Metal Formings
Master Engineering Company West Cheshire
Oakville Co. Div., Scovill Mfg. Co. Oakville
Stanley Pressed Metal New Britain

Metallurgists
Bridgeport Testing Laboratory, Inc. Bridgeport

Metal Mouldings
Leed Co., The H. A. Hamden

Metal Powder Products
Norwalk Powdered Metals, Inc. Norwalk

Metal Products—Stampings
American Brass Company, The Waterbury
J. H. Sessions & Son Bristol
Scovill Manufacturing Company (Made-to-Order) Waterbury
Stanley Pressed Metal New Britain

Metal Specialties
Excelsior Hardware Co., The Stamford
Torrington Co., The Torrington

Metal Spinning
Moseley Metal Crafts, Inc. West Hartford

Metal Stampings
American Brass Company, The Waterbury
Better Formed Metals, Inc. Waterbury
Cly-Del Manufacturing Co. Waterbury
DooVal Tool & Mfg., Inc. The Naugatuck
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston
Excelsior Hardware Co., The Stamford
Greist Mfg. Co., The New Haven
H. C. Cook Co., The Ansonia
Stanley Humason, Inc. Forestville
Mohawk Mfg. Co. (threaded) Middletown
North & Judd Mfg. Co. New Britain
J. A. Otterbein Company, The (metal fabrications) Middletown
J. H. Sessions & Son Bristol
Patent Button Co., The Waterbury
Saling Manufacturing Co. Unionville
Stanhelm Mfg. Co. Bristol
Terryville Manufacturing Co. Terryville
Wasley Products, Inc. Plainville
Waterbury Companies, Inc. Waterbury
Waterbury Lock & Specialty Co., The Milford

Meters—Gas
Sprague Meter Company Bridgeport

Meters—Parking
Rhodes, Inc., M. H. Hartford

Microfilming
American Microfilming Service Co. New Haven
Cine-Video Productions, Inc. Milford

Microfilm—Reader-Printer
Thermo-Fax Sales of Conn., Inc. New Haven

Micrometers
Slocum Co., The J. T. Glastonbury

Mill Machinery
Torrington Mfg. Co., The Torrington
Waterbury Farrel Foundry & Machine Co. Waterbury
The Division of Texttron, Inc. Waterbury

Milling Machines
Pratt & Whitney Co., Inc. (Keller Tracer—controlled Milling Machines) West Hartford

Mill Products
Scovill Manufacturing Co. (aluminum, brass, bronze, nickel silver—sheet, rod, wire, tube) Waterbury

Mill Supplies
Wilcox-Crittenden Div., North & Judd Mfg. Co. Middletown

Millwork
Hartford Builders Finish Co. Hartford

Miniature Precision Connectors
Gorn Electric Co. Stamford

Minute Minders
Lux Clock Mfg. Co., The Waterbury

Mirror Rosettes and Hangers
Waterbury Companies, Inc. Waterbury

Missile Details
Tag Alloy Welding & Mfg. Co., Inc. (weldments) Glastonbury

Mixing Equipment
Alsop Engineering Co. Milldale
Eastern Industries, Inc. New Haven

Model Work
B. & N. Tool & Engineering Co. (instruments and timing devices) Thomaston

Models and Prototypes
Research & Development Designers, Inc. Middletown

Mold Frames
Superior Steel Products Corp. Cheshire

Molded Fiberglass Products
Fiberglass Products Eng. Co. South Norwalk

Moldings—Powder Metal Materials
American Sinterings Div., Engineered Plastics Watertown

Mops
Fuller Brush Co., The (wet and dry mops and dusters) East Hartford

Motion Picture Equipment
Victor Animatograph Corp., a div. of Kallart (16 mm. sound and silent projectors, film splicers, and rewinders) Plainville

Motion Pictures
Cine-Video Productions, Inc. Milford

Motor Drives
Electronic Controls, Inc. (adjustable speed) Stamford

Motor—Generator Sets
Electric Specialty Co. Stamford
Safety Electrical Equipment Corp. New Haven

Motors—Electric Timing
Cramer Controls Corp., The Centerbrook

Motors Synchronous
Cramer Controls Corp., The Centerbrook
Electric Specialty Co. Stamford

Moulded Plastic Products
Butterfield, Inc., T. F. Naugatuck
U. S. Plastic Molding Corp. Wallingford
Waterbury Companies, Inc. Waterbury
Watertown Mfg. Co., The Watertown

Mouldings
Himmel Brothers Co., The (architectural, metal and store front) Hamden

Moulds
Hoggston & Pettis Mfg. Co., The (steel) New Haven

Name Plates
Cooney Engraving Co. Branford
Quality Name Plate, Inc. East Glastonbury
Seton Name Plate Co. (metal & plastic name plates and identification tags) New Haven

Napper Clothing
Standard Card Clothing Co., The (for textile mills) Stafford Springs

Nettings
Wilcox Lace Corp., The Middletown

Newspaper Mats
Lockwood Sons, Inc., Wm H. Hartford

New Product Consultants
Business Incubation Laboratory Wilton

Nickel Anodes
Apothecaries Hall Co. Div., The Hubbard
Hall Chemical Co. Waterbury
Seymour Mfg. Co., The Seymour

Nickel Silver
American Brass Company, The Waterbury
Plume & Atwood Mfg. Co., The Thomaston
Waterbury Rolling Mills, Inc. (sheets, strips, rolls) Waterbury

Nickel Silver Ingot
Whipple and Choate Co., The Bridgeport

Night Latches
Sargent & Company New Haven

Nitriding
Hartford Machine Screw Co. Hartford

Non-ferrous Metal Castings
Miller Company, The Meriden

Nuclear Details
Tag Alloy Welding & Mfg. Co., Inc. (weldments) Glastonbury

Nuts, Bolts and Washers
Clark Brothers Bolt Co. Milldale
Hartford Machine Screw Co. Div. of Torrington Co., The Hartford
Standard Screw Co. Torrington

Office Equipment
Pitney-Bowes, Inc. Stamford
Thermo-Fax Sales of Conn., Inc. New Haven
Underwood Corporation Hartford
Wassell Organization, Inc. Westport

Office Printing
Kellog & Bulkeley, A Div. of Connecticut Printers, Inc. Hartford

Offset Printing
City Printing Co., The New Haven

Oil Burners
Miller Company, The (domestic) Meriden
Peabody Engineering Corp. (Mechanical or Steam Atomizer) Stamford
Silent Glow Oil Burner Corp., The Hartford

Oil Tanks
Norwalk Tank Co. Div. Mersick Industries, Inc. South Norwalk
Whitlock Mfg. Co., The Hartford

Oils—Cutting
Anderson Oil and Chemical Co., Inc. Portland

Optical Comparator Charts
Research & Development Designers, Inc. Middletown

Optical Instruments
Barnes Engineering Co. (and systems) Stamford

Otis Woven Awning Stripes
The Falls Company Norwich

Ovens
Rockwell Co., W. S. (Industrial) Fairfield

Ovens—Electric
Bauer & Company, Inc. Hartford

Packaging
Commerce Packaging Corporation (military, commercial & export canning & crating) Stamford

Packaging—Engineering
Commerce Packaging Corp. Stamford
Progressive Packaging Corp. (military & commercial for domestic and export packaging, canning, crating and shipping) East Haven

Packaging & Packing
Commerce Packaging Corp. Stamford
Mercer & Stewart Co., The Hartford

Packing
Auburn Manufacturing Co., The (leather, rubber, asbestos, fibre) Middletown
Raybestos Div. of Raybestos-Manhattan, Inc. (Asbestos and Rubber Sheet) Bridgeport

Padlocks
Sargent & Company New Haven
Waterbury Lock & Specialty Co., The Milford

Pads—Office
The Baker Goodyear Company Branford

Paints
Tredennick Paint Mfg. Co., The Meriden

Panelite
Leed Co., The H. A. Hamden

Pants
Moore Special Tool Co (crush wheel dresser) Bridgeport

Paperboard
Continental Can Co., Boxboard and Folding Carton Division Montville
Federal Paper Board Co., Inc. New Haven
New Haven Board & Carton Co., The New Haven
Robertson Paper Box Co. Montville

CONNECTICUT PRODUCTS AND SERVICES

Paper Boxes
Atlantic Carton Corp. (folding) Norwich
National Folding Box Co. Div. Federal
Paper Board Co., Inc. (folding) Versailles
Mills, Inc. H. J. New Haven & Versailles
New Haven Board & Carton Co., The
Robertson Paper Box Co. (folding) Montville

Paper Boxes—Folding and Setup
Bridgeport Paper Box Co. Bridgeport
M. Backers' Sons, Inc. Wallingford

Paper Clips
H. C. Cook Co., The (steel) Ansonia

Paper Fasteners
Oakville Co. Div. Scovill Mfg. Co. Oakville

Paper Mill Machinery
Farrel-Birmingham Company, Inc. Ansonia

Paper—Shredded
Nielsen & Sons, Inc., John R. South Windsor

Paper Tubes and Cores
Sonoco Products Co. (Climax-Lowell) Div. Mystic

Parallel Tubes
Sonoco Products Co. (Climax-Lowell) Div. Mystic

Parking Meters
Rhodes, Inc., M. H. Hartford

Parts
Hartford Machine Screw Co., Div. of
Standard Screw Co. Hartford
Scovill Manufacturing Company (ammunition, electric instrument, electrical appliance, fountain pen, instrument, lighting fixture, ordnance, etc.—blanked, stamped, formed, drawn, re-drawn, forged, screw machined, headed, pointed, finished) Waterbury
Torrington Co., The Torrington

Penlights
Bridgeport Metal Goods Mfg. Co. Bridgeport

Perfumes
Chesebrough-Pond's, Inc. Clinton

Personnel Consultants
Advancement Opportunities Hartford
Snelling & Snelling Hartford
Wirth Management Company Wilton

Personnel Recruiting
Administrative-Technical Personnel Service (executive) Hartford
Advancement Opportunities Hartford

Pet Furnishings
Andrew B. Hendrix Co., The New Haven

Phosphate Coating
Black Oxide, Inc. New Britain

Phosphor Bronze
American Brass Company, The Waterbury
Miller Company, The (sheets, strips, rolls) Meriden
Plume & Atwood Mfg. Co., The Thomaston
Waterbury Rolling Mills, Inc. (sheets, strips, rolls) Waterbury

Phosphor Bronze Ingots
Whipple and Choute Co., The Bridgeport

Photo Engraving
Dowd, Wyllie & Olson, Inc. Hartford
Wilcox Photo Engraving Co., Inc. New Haven

Photocopy Equipment and Supplies
Ludwig, Inc., F. G. Old Saybrook
Photographic Equipment
Kalart Company, Inc. Plainville

Piano Repairs
Pratt Read & Co., Inc. (keys and action) Ivoryton

Piano Supplies
Pratt Read & Co. (keys and actions, backs, plates) Ivoryton

Pillow Blocks
New Departure Div. of General Motors (ball) Bristol

Pins
CEM Company ("Spirol") Danielson
Hartford Machine Screw Co. Div. of
Standard Screw Co. Hartford
Oakville Co. Div. Scovill Mfg. Co. (safety & straight) Oakville
Star Pin Co., The (straight and safety) Shelton
Torrington Co., The (Dowel & Taper) Torrington

Pins—Common
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston
Union Pin Co., The Winsted

Pins—Plastic Heads
Union Pin Co., The Winsted

Pipe
American Brass Co., The (brass & copper) Waterbury
Chase Brass & Copper Co. (red brass and copper) Waterbury
Howard Co. (cement well and chimney) New Haven

Pipe Fittings
Malleable Iron Fittings Co. Branford

Pipe Organs
Austin Organs, Inc. Hartford

Pipe Plugs
Hartford Machine Screw Co. Div. of
Standard Screw Co. Hartford

Pipe Plugs—Socketed
Hartford Machine Screw Co. Div. of
Standard Screw Co. Hartford

Pistols & Revolvers
Colt's Patent Fire Arms Mfg. Co., Inc. Hartford

Plant Protection
Interstate Industrial Protection Co. Bridgeport

Plastic Blister Packaging
Commerce Packaging Corporation (ball bearings & small parts) Stamford

Plastic Bottles
Plax Corporation Bloomfield

Plastic Buttons
Frank Parizek Manufacturing Co., The West Willington

Plastic Engraving
New England Engraving Co. Div. of Dura
Plastics of New York, Inc. Westport
Salisbury Products, Inc. Lakeville

Plastic Extruders
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson
Jessall Plastics Div. of The Electric Storage Battery Co. Kensington

Plastic Fabrication
Dura Plastics of New York, Inc. Westport
Fabrecon Corp. Unionville
New England Rack Co., Inc. (hood & duct systems, tanks, etc.) Hamden
Salisbury Products, Inc. Lakeville

Plastic Film & Sheet Materials
Gilman Brothers Co., The Gilman
Plax Corporation Bloomfield

Plastic Forming
Dura Plastics of New York, Inc. Westport

Plastic Lining Equipment
Enthone, Inc. New Haven

Plastic Material
Dura Plastics of New York, Inc. (sheet, rod & tube) Westport

Plastic Molders
B & B Plastics, Inc. Oakville
Butterfield, Inc. T. F. Naugatuck
Coggins Mfg. Co., The J. B. Meriden
Conn. Plastics Waterbury
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson
Engineered Plastics, Inc. Watertown
Plastic Molding Corporation Sandy Hook
Rogers Mfg. Co., The Rockfall
Specialty Plastics Corp. (custom) Shelton
Stanley Chemical Co., The East Berlin

U. S. Plastic Molding Corp. Wallingford
Waterbury Companies, Inc. Waterbury
Waterbury Mfg. Co., The Watertown

Plastic Packages
Robertson Paper Box Co., Inc. (plastic trays) Montville

Plastic Pipe and Fittings
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson
Enthone, Inc. New Haven

Plastic Printing Plates
Lockwood Sons, Inc., Wm. H. Hartford

Plastic Rod
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson

Plastic Strip
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson

Plastic Tubing
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson

Plastic Wire Coating Materials
Electronic Rubber Co. Stamford

Plastics
Naugatuck Chemical Division, United States Rubber Co. Naugatuck (Advt.)

Plastics & Resins
American Cyanamid Co., Plastics & Resins Div. Wallingford

Plastics—Moulds & Dies
Crown Tool & Die Co., Inc. Bridgeport

Plasticrete Block
Plasticrete Corp. Hamden, Hartford,
North Haven, Waterbury, Willimantle

Platers
Acme Chromium Plating Co. New Haven
Christie Plating Co. Groton
Chromium Process Company, The (Chromium Plating only) Shelton
Water Plating Company Waterbury

Platers' Equipment
Apothecaries Hall Company Waterbury
Enthone, Inc. New Haven
Lea Manufacturing Co., The Waterbury
MacDermid Incorporated Waterbury

Plating
Christie Plating Co., The (including lead plating) Groton
Giering Metal Finishing, Inc. Hamden
Roberts Plating Company Naugatuck
Superior Plating Co. Bridgeport
Tec-Plate, Inc. Windsor Locks

Plating Processes and Supplies
Enthone, Inc. New Haven
Seymour Manufacturing Co., The Seymour

Plating Racks
New England Rack Co., Inc. (anodizing, conveyor, etc.) Hamden

Plumbers' Brass Goods
McGuire Mfg. Co. Waterbury
Scovill Manufacturing Co. Waterbury

Plumbing Specialties
Risdon Mfg. Co., John M. Russell Div. Naugatuck

Pneumatic Conveyors
Spencer Turbine Co., The Hartford

Pole Line Hardware
Malleable Iron Fittings Co. Branford

Police Equipment
The Smith-Worthington Saddlery Co. Hartford

Polishing
C. & E. Metal Finishing Co. Hartford
Mirror Polishing & Buffing Co. Waterbury

Postage Meters
Pitney Bowes, Inc. Stamford

Potentiometers—Electronic
Bristol Company, The Waterbury

Power Wrenches
Cushman Chuck Co. (chucks) Hartford

CONNECTICUT PRODUCTS AND SERVICES

Precision Machining
National Tool & Die Co. Hartford

Precision Machine Tool Spindles
Whiton Manufacturing Co. (for milling, grinding, boring & drilling) Farmington

Precision Manufacturing
American Standard Products, Inc. Hartford
Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford
Torrington Co., The Torrington

Precision Revolving Machinery
Whiton Manufacturing Co. Farmington

Precision Sheet Metal Fabrication
Milford Fabricating Co. Milford

Precision Springs & Wire Forms
Rowley Spring Co., Inc., The Bristol

Premium Specialties
Waterbury Companies, Inc. Waterbury

Preservatives—Wood, Rope, Fabric
Darworth Incorporated ("Cuprinol") ("Cellu-san") Simsbury

Pressboard
Case Brothers, Inc. (genuine) Manchester
Case & Risley Press Paper Co. (genuine) Oneco

Presses
Farrel-Birmingham Co., Inc. (Hydraulic) Ansonia

Presses—Power
Pneumatic Application Co., The (modernization of presses through conversion to Wichita Air Clutch operation) Simsbury
Waterbury Farrel Foundry & Machine Co., The Div. of Textron, Inc. Waterbury

Pressure Vessels
Norwalk Tank Co. Div. Mersick Industries, Inc. South Norwalk
Rohco, Inc. Fairfield
Whitlock Mfg. Co., The Hartford

Printing
Allied Printing Service, Inc. Manchester
Bussmann Press, Inc. New Haven
City Printing Co., The New Haven
Connecticut Printers, Inc. Hartford
Finlay Brothers Hartford
Heminway Corporation, The Waterbury
Hunter Press Bristol
Lehman Brothers, Inc. Hartford
Miller-Johnson, Inc. Meriden
Taylor & Greenough Co., The Wethersfield
Type Press and Lithographing) Bridgeport
T. B. Simonds, Inc. Hartford
A. D. Steinbach & Sons New Haven
The Walker-Rackliff Company New Haven

Printing Machinery
Banthin Engineering Co (automatic) Bridgeport

Printing Plates
Ads, Inc., Div. CSW Plastic Types, Inc.
(mats services) Rocky Hill
Lockwood Sons, Inc., Wm. H. Hartford

Printing Rollers
Chambers-Storck Company, Inc., The (engraved) Norwich

Printing—Silk Screen
Ad-Craft Displays, Inc. Bloomfield

Production
House Co., N. E. (Assembly, Stampings, Drilling & Tapping) East Hampton

Production Control Equipment
Ripley Company, Inc. Middletown
Wassell Organization, Inc. Westport

Propellers—Aircraft
Hamilton Standard Div. United Aircraft Corp. (propellers and other aircraft equipment) Windsor Locks

Protective Coatings
Harrison Company, The A. S. (waxes) South Norwalk

Public Relations Counsel
Brunelle Co., The Charles Hartford

Publicity Services
Brunelle Co., The Charles Hartford
Watson-Manning Advertising Stratford

Publishers
O'Toole & Sons, Inc., The Stamford

Pumps
Aslop Engineering Co. Milldale
Sonic Engineering Co. Stamford
Sump Pumps, Inc. (Deep-well electro-submersible) Stamford

Pumps—Small Industrial
Eastern Industries, Inc. New Haven

Punches
Hoggson & Pettis Mfg. Co., The (ticket & cloth) New Haven

Purchasing Service—Industrial
Hartz-Miller Associates Meriden

Putty Softeners—Electrical
Fletcher Terry Co., The Forestville

Pyrometers
Bristol Co., The (recording and controlling) Waterbury

Radar Speed Meters
Automatic Signal Div. Eastern Industries, Inc. Norwalk

Radiation—Finned Copper
Bush Manufacturing Co. West Hartford
G & O Manufacturing Company, The New Haven
Vulcan Radiator Co., The (steel and copper) Hartford

Radiation Shielding Products
Ray Proof Corporation Stamford

Radiators—Engine Cooling
G & O Manufacturing Co. New Haven

Ratchet Offset Screw Driver
Chapman Co., J. W. Durham

Rayon Staple Fiber
Hartford Fibres Co. div Bigelow Sanford Co.
Rocky Hill

Reamers
Atrax Company, The (solid carbide) Newington
Pratt & Whitney Co., Inc. (all types) West Hartford
Pratt & Whitney Co., Inc. (all types carbide and HSS) West Hartford

Reamers—Helical
Gammons-Hoaglund Co., The Manchester

Reamers—Machine
Gammons-Hoaglund Co., The Manchester

Reamers—Taper
Gammons-Hoaglund Co., The Manchester

Record Equipment
Wassell Organization, Inc., (filling equipment) Westport

Recorders
Bristol Co., The (automatic controllers, temperature, pressure, flow, humidity) Waterbury

Recording Machines
Dictaphone Corporation Bridgeport

Reduction Gears
Snow-Nabstedt Gear Corp., The New Haven

Reels—Wooden
Bridge Mfg. Co., The (for wire and cable) Hazardville

Refractories
Howard Company New Haven
Mullite Works Refractories Div. H. K. Porter Co., Inc. Shelton

Refrigeration
Dunham-Bush, Inc. West Hartford

Refrigeration Condensing Units
Brunner Division of Dunham-Bush, Inc. West Hartford

Refrigeration Service
Hartford Refrigeration Service, Inc. Hartford

Relays
Allied Control, Inc. Plantsville

Rental
HB Motion Picture Service (audio-visual equip.—all types) New Haven

Research and Development
Continental Engineering Corporation Farmington

Raymond Engineering Laboratories (Electro-Mechanical) Middletown
Research & Development Designers, Inc. Middletown
Sperry Products Co., Div. Howe Sound Co. (Ultrasonic) Danbury

Resistance Wire
C. O. Jeliff Mfg. Co., The (nickel chromium, copper nickel, iron chromium, aluminum) Southport
Kanathal Corporation, The Stamford

Respirators
American Optical Company, Safety Products Division Putnam

Retainers
Lacey Manufacturing Co., The (precision ball bearing) Bridgeport

Rigid Plastic Sheet Material
Gilman Brothers Company, The Gilman

Riveting Machines
Grant Mfg. & Machine Co., The Bridgeport
Linley Brothers Company Bridgeport
Patent Button Co., The (automatic) Waterbury
Ripley Company, Inc. Middletown
H. P. Townsend Manufacturing Co., The Elmwood

Rivets
Clark Brothers Bolt Co. Milldale
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston
Milford Rivet & Machine Co., The Milford
Raybestos Div. of Raybestos-Manhattan, Inc., The (brass and aluminum tubular and solid copper) Bridgeport
Raybestos Div. of Raybestos-Manhattan, Inc., The (iron) Bridgeport

Rivet Setting Machines
Milford Rivet & Machine Co., The Milford

Rods
American Brass Company, The (copper, brass, bronze) Waterbury
Bristol Brass Corp., The (brass and bronze) Bristol
Seovill Manufacturing Company (aluminum, brass, bronze, etc.) Waterbury

Rollers—Bituminous Paving
Gabb Special Products Div. E. Horton & Son Company Windsor Locks

Rolled Shapes
Cowles & Co., C. (and mouldings) New Haven

Roller Skate Wheels
Raybestos Division of Raybestos-Manhattan, Inc. Bridgeport

Rolling Mills & Equipment
Fenn Mfg. Co., The Newington
Precision Methods & Machines, Inc. Waterbury
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Rolls
Farrel-Birmingham Company, Inc. (Chilled and Alloy Iron, Steel) Ansonia

Rotary Files
Atrax Company, The (carbide) Newington

Routers
Atrax Company, The (solid carbide) Newington

Rubber Chemicals
Naugatuck Chemical Division United States Rubber Co. Naugatuck
Stamford Rubber Supply Co., The ("Fac-tice" Vulcanized Vegetable Oils) Stamford

Rubber Drug Sundries
Seamless Rubber Company New Haven

Rubber Footwear
Goodyear Rubber Co., The Middletown

Rubber Latex Compounds and Dispersions
Naugatuck Chemical Division United States Rubber Co. (coating, impregnating and adhesive compounds) Naugatuck

Rubber Machinery
Farrel-Birmingham Company, Inc. Ansonia

CONNECTICUT PRODUCTS AND SERVICES

Rubber—Molded Specialties

Airex Rubber Prod. Corp. Portland
Associated Gaskets, Inc. Bridgeport
Bond Rubber Corporation Derby
Wasley Products, Inc. Plainville

Rubber Products

Airex Rubber Prod. Corp. Portland

Rubber Printing Plates

ADS, Inc., Div. CSW Plastic Types, Inc. Hartford
Lockwood Sons, Inc., Wm. H. Hartford

Rubber Products—Mechanical

Associated Gaskets, Inc. Bridgeport
Auburn Mfg. Co., The (washers, gaskets, molded parts) Middletown

Rubber—Reclaimed

Naugatuck Chemical Division United States Rubber Co. Naugatuck

Rubber Specialties

Seamless Rubber Company New Haven

Rubberized Fabrics

Duro-Gloss Rubber Co., The New Haven

Rubbers

Naugatuck Chemical Div. U. S. Rubber Co. (synthetic rubbers and latex) Naugatuck

Rust Preventives

Anderson Oil and Chemical Company, Inc. Portland
Enthone, Inc. New Haven

Rust Removers

Enthone, Inc. New Haven

Saddlery

The Smith-Worthington Saddlery Co. Hartford

Safety Belts

Russell Mfg. Co. Middletown

Safety Clothing

American Optical Company Safety Products Division Putnam

Safety Fuses

Ensign-Bickford Co., The (mining & detonating) Simsbury

Safety Gloves and Mittens

American Optical Company Safety Products Division Putnam

Safety Goggles

American Optical Company Safety Products Division Putnam

Sales Promotion

Langelier-Stevens, Inc. Orange

Salvage Service

Walton Co., The (broken tools extracted) West Hartford

Saw Blades—Hack

Capewell Mfg. Co., The Hartford

Saw Blades—Hack & Band

Capewell Manufacturing Company Hartford
Thompson & Son Co., The Henry G. New Haven

Saws, Band, Metal Cutting

Atlantic Saw Mfg. Co. New Haven
Capewell Manufacturing Co., The Hartford

Saws—Hole

Capewell Manufacturing Co., The Hartford
Thompson & Son Co., The Henry G. New Haven

Sawdust

Nielson & Sons, Inc., John R. (graded hardwood and softwood) South Windsor

Scissors

Acme Shear Company, The Bridgeport

Screens

Hartford Wire Works Co., The (Windows, Doors and Porches) Hartford
Norlee Aluminum Prod. Corp. Bloomfield

Screw Caps

Weimann Bros. Mfg. Co., The (small for bottles) Derby

Screw Machines

H. P. Townsend Mfg. Co., The Elmwood

Screw Machine Products

Accurate Screw Products, Inc. (B & S Swiss & Davenport) Southington
American Standard Products, Inc. Hartford
Apex Tool Co., Inc., The Bridgeport
Auto Electric Screw Machine Co., Inc. Bridgeport

Brown Manufacturing Co. (up to 1½" capacity) Plainville
Consolidated Industries West Cheshire
Eastern Machine Screw Corp., The New Haven

Fairchild Screw Products, Inc. Winsted
Franklin Screw Machine Co. Hartford
Garthwait Mfg. Co., A. E. (up to and incl. 1½") Waterbury

Greist Mfg. Co., The (up to 1½" capacity) New Haven
Hartford Machine Screw Co. Div. of Standard Screw (up to 5" capacity) Hartford

Horberg Grinding Industries, Inc. (heat treated and ground type only) Bridgeport
Stanley Humason, Inc. Forestville
Independent Screw Company (up to and incl. 1½" capacity) West Hartford

Junior Screw Machine Products, Inc. West Hartford
Lowe Mfg. Co., The Wethersfield
Main Screw Machine Products (davenport & automatics exclusively) Waterbury

Mayflower Manufacturing Co. Unionville
National Automatic Products Company, The Berlin
Nelson's Screw Machine Products Plantsville
New Britain Machine Company, The New Britain

New Haven Screw Machine Prods., Inc. (up to 1½" capacity) Milford
Newton Screw Machine Prods. Co. Plainville
Olson Brothers Company (up to ¾" capacity) Plainville

Olson & Sons, R. P. Southington
Products Design & Mfg. Corp. (precision) Newington
Scovill Manufacturing Company Waterbury
United Screw Machine Co. Thomaston

Waterbury Machine Tools & Products Co. (Brown & Sharpe and Davenport) Waterbury
Wheeler & Son, Inc., Frank Meriden

Screw Machine Tools

American Cam Company, Inc. (Circular Form Tools) Hartford
Cambridge Specialty Co., Inc. (flat & circular form tools) Kensington
Quaker Tool (H.S. cir. form tools) Waterbury

Pratt & Whitney Co., Inc. (Reamers, Taps, Dies, Blades and Knurls) West Hartford

Screws

Allen Mfg. Co., The Bloomfield
American Screw Company Willimantic
Atlantic Screw Works Hartford

Bristol Company, The (socket set and socket cap screws) Waterbury
Clark Bros. Bolt Co., Inc. (cap and lag) Milldale
Hartford Machine Screw Co. Div. of Standard Screw Co. Hartford

Scovill Manufacturing Co. Waterbury
Superior Manufacturing Co., The Winsted
Torrington Co., The Torrington

Screws—Socket

Allen Manufacturing Co., The Bloomfield
Bristol Co., The Waterbury
Hartford Machine Screw Co. Div. of Standard Screw Co. Hartford

Screw Stock

Driscoll Wire Co., The (steel) Shelton

Sealing Tape Machines

Better Packages, Inc. ("Counterboy," "Tape-Shooter," "Big Inch") Shelton
Derby Sealers, Inc. (gummed and pressure-sensitive tapes) Derby

Screw Threads—Inserts

Heli-Coil Corp. Danbury

Seals

Russell Mfg. Co. (for oven doors and fire bulkheads) Middletown

Sewing Machines

Greist Mfg. Co., The (Sewing Machine attachments) New Haven
Singer Manufacturing Co. The (Industrial) Bridgeport

Sharpeners

Gorn Electric Co., Inc. (electric knife and scissors) Stamford

Shears

Acme Shear Co., The (household) Bridgeport

Sheet Metal Products

American Brass Co., The (brass and copper) Waterbury
Merriam Mfg. Co. (security boxes, fitted tool boxes, tackle boxes, displays) Durham

Parsons Co., Inc., W. A. (fabricators) Durham
Precision Sheet Metal Fabrication Div. Bar-Plate Mfg. Co., Inc. Orange

United Manufacturing Co. Div. of the W. L. Maxson Corp. Hamden

Sheet Metal Stampings

American Brass Co., The Waterbury
American Buckle Co., The West Haven
DooVal Tool & Mfg., Inc., The Naugatuck

Dorset-Rex, Inc., Subsidiary of Landors, Frary & Clark Thomaston
J. H. Sessions & Son Bristol
Scovill Manufacturing Co. (aluminum, brass, bronze, copper, nickel silver, steel and other metals and alloys) Waterbury

Terryville Manufacturing Co. Terryville

Sheet Steel

Dolan Steel Co., Inc. Bridgeport

Shell Cores

Victors Brass Foundry, Inc. Guilford

Shell Molding

Victors Brass Foundry, Inc. Guilford

Shells

Lakewood Metal Products, Inc. (all metals) Waterbury
Salem Mfg. Co. Prospect

Scovill Manufacturing Co. (aluminum, brass, bronze, copper, nickel silver—drawn, stamped—electric socket, screw) Waterbury

Terryville Manufacturing Co. Terryville
Wolcott Tool and Manufacturing Co., Inc. Waterbury

Showcase Lighting Equipment

Wiremold Company, The Hartford

Signals

H. C. Cook Co., The (for card files) Ansonia

Signs

Ad-Craft Displays, Inc. (all types, quantity only) Bloomfield
Leonard Sign Co. (neon & factory identification) Hartford

Silk Screen Process Printing

Ad-Craft Displays, Inc. Bloomfield
Norton Co., R. H. New Haven
Sirocco Screen prints New Haven
Stifel & Kufka, Inc. New Britain

Silk Screening on Metal

Ad-Craft Displays, Inc. Bloomfield
Merriam Mfg. Co. (Displays and Specialties to order) Durham

Silverware

Wallace Silversmiths, Inc. Wallingford

Simulators

Reflectone Electronics, Inc. Stamford

Sintered Metal Products

American Sintering Div. of Engineered Plastics, Inc. (Powder Metal Parts) Watertown
Raybestos Div. of Raybestos-Manhattan, Inc. Bridgeport

Sizing and Finishing Compounds

American Cyanamid Co. Waterbury

Slide Fasteners

G. E. Prentice Mfg. Co., The Kensington
Scovill Mfg. Co. (GRIPPER zippers) Waterbury

Smoke Stacks

Norwalk Tank Co. Div. Mersick Industries, Inc. South Norwalk

Snap Fasteners

Patent Button Co., The Waterbury
Scovill Mfg. Co. (GRIPPER snap fasteners) Waterbury

Snapout and Continuous Forms

Connecticut Printers, Inc. Hartford

Soap

Fuller Brush Co., The (personal, household and industrial) East Hartford

Socket Cap Screws

Holo-Krome Screw Corp. West Hartford

Socket Pipe Plugs

Holo-Krome Screw Corp. West Hartford

CONNECTICUT PRODUCTS AND SERVICES

Socket Screw Keys
Holo-Krome Screw Corp. West Hartford

Socket Set Screws
Holo-Krome Screw Corp. West Hartford

Socket Shoulder Screws
Holo-Krome Screw Corp. West Hartford

Sound Equipment
Vineo Electronics Corp. New Haven

Spanner Nuts
McMellon Bros., Inc. Bridgeport

Special Machinery
Banthin Engineering Co. (complete and/or parts) Bridgeport
Farrel-Birmingham Co., Inc. Ansonia
Federal Machine & Tool Co. Bristol
Fenn Mfg. Co., The Newington
Hartford Special Machinery Co., The Hartford
H. P. Townsend Mfg. Co., The Elmwood
Lacey Mfg. Co., The Bridgeport
National Sheradizing Machine Co. (magnets & stock shells for rubber industry) Hartford
Tucker Machine Co. New Haven

Special Machining
Superior Steel Products Corp. Cheshire

Special Parts
American Standard Products, Inc. Hartford
Fenn Mfg. Co., The Newington
Greist Mfg. Co., The (small machines, especially precision stampings) New Haven
Hartford Machine Screw Company Div. of Standard Screw Co. Hartford
J. H. Sessions & Son Bristol
Torrington Co., The Torrington

Specialties—Wire
J. C. Products, Inc. Higganum

Spline Milling Machines
Townsend Mfg. Co., The HP Elmwood

Sporting Goods
Seamless Rubber Co. New Haven

Spotwelding
Spotwelders, Inc. (aluminum, steel, magnesium, titanium & alloys) Stratford

Spouts
Waterbury Companies, Inc. (for Lighter Fluids and Light Oils) Waterbury

Spray Painting
Stamford Polishing & Plating Corp. Stamford

Spray Painting Equipment & Supplies
Lea Manufacturing Co., The Waterbury

Spring Coiling Machines
Torrington Mfg. Co., The Torrington

Spring Presses
Townsend Mfg. Co., The H. P. Elmwood

Spring Units
Owen Silent Spring Div. American Chain & Cable Company, Inc. Bridgeport

Spring Washers
Barnes Co., The Wallace Div. Associated
Spring Corp. Bristol
Terryville Manufacturing Co. Terryville

Springs
CE-JA Springs, Inc. (coil & torsion) Newington

Springs—Coil & Flat
Barnes Co., The Wallace Div. Associated
Spring Corp. Bristol
Barrett Co., William L. Bristol
Bristol Spring Mfg. Co. Plainville
Foursome Mfg. Co. Bristol
Newcomb Spring Corp., The Southington
New England Spring Mfg. Co. Unionville
Peck Spring Co., The Plainville
Stanley Humason, Inc. Forestville

Springs—Flat
Atlantic Precision Spring Co. Forestville
Barnes Co., The Wallace Div. Associated
Spring Corp. Bristol
Bristol Spring Mfg. Co. Plainville
Foursome Manufacturing Co. Bristol
Stanley Humason, Inc. Forestville
New England Spring Mfg. Co. Unionville
Peck Spring Co. Plainville
(Advt.)

Springs—Wire
Banner Spring Corporation Hartford
Barnes Co., The Wallace Div. Associated
Spring Corp. Bristol
Bernston Co., J. W. Plainville
Bristol Spring Mfg. Co. Plainville
Colonial Spring Corp., The Hartford
Connecticut Spring Corp., The (compression, extension, torsion) Hartford
Foursome Manufacturing Co. Bristol
Stanley Humason, Inc. Forestville
Newcomb Spring Corp., The Southington
New England Spring Mfg. Co. Unionville
Peck Spring Co. Plainville
D. R. Templeman Co. (coil and torsion) Plainville

Springs—Wire
Everett Co., Inc. (coil and torsion) New Britain
Terry Spring Company Terryville

Springs, Wire & Flat
Peck Spring Co. Plainville

Stamped Metal Products
American Brass Co., The Waterbury

Stampings
DeoVal Tool & Mfg., Inc., The Naugatuck
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark, Thomaston
Laminated Shim Co., Inc. Glenbrook
Foursome Manufacturing Co. Bristol
Lacey Mfg. Co., The (precision sheet metal) Bridgeport
Prentice Mfg. Co., The G. E. Kensington
Scovill Mfg. Co. (aluminum, brass, bronze, copper, nickel silver, steel and other metals and alloys—automotive, electrical, radio, etc.—deep drawn, enameled) Waterbury
Stanley Pressed Metal New Britain

Stampings—Small
Acme Shear Co., The Bridgeport
Barnes Co., The Wallace Div. Associated
Spring Corp. Bristol
Barrett Co., William L. Bristol
Bristol Spring Mfg. Co. Plainville
Greist Mfg. Co., The New Haven
Laminated Shim Company, Inc. Glenbrook
Stanley Humason, Inc. Forestville
Waterbury Companies, Inc. Waterbury
Wire Form, Inc. Milldale

Stamps
Ball-Adam Steel Stamp Co. (steel) New Britain
Hoggson & Pettis Mfg. Co., The (steel) New Haven
Parker-Hartford Corp. (steel) Hartford
Schwab & Company (steel) Bridgeport

Stamped Assemblies
Cowles & Co., C. New Haven

Stationary Specialties
American Brass Co., The Waterbury

Steam Turbines
Whiton Machine Co. New London

Steel Castings
Malleable Iron Fittings Co. Branford
New England Alloy Casting Corp. (carbon, low alloy and stainless steel castings) Hartford
Nutmeg Crucible Steel Co. Branford

Steel—Cold Rolled Spring
Barnes Co., The Wallace Div. Associated
Spring Corp. Bristol
Detroit Steel Corporation Hamden

Steel—Cold Rolled Stainless
Seymour Mfg. Co., The Seymour
Ulrich Stainless Steels Wallingford
Wallingford Steel Company Wallingford

Steel—Cold Rolled Strip
Detroit Steel Corporation Hamden

Steel—Cold Rolled Strip and Sheets
Wallingford Steel Company Wallingford

Steel Flanges
Ideal Forging Corp. (stainless) Southington

Steel Goods
Merriam Mfg. Co. (sheets products to order) Durham

Steel—Ground Flat Stock
Thompson & Son Co., The Henry G. New Haven

Steel Rolling Rules
Waterbury Lock & Specialty Co., The Milford

Steel—Stainless Alloy and Carbon
Frasse & Co., Inc., Peter A. Hartford

Steel Stamps
Cooney Engraving Co. Branford

Stereotypes
New Haven Electrotype Div. Electro-graphic Corp. New Haven

Stop Clocks, Electric
H. C. Thompson Clock Co., The Bristol

Storage Batteries
R. A. E. Storage Battery Mfg. Co. Glastonbury

Straps, Leather
Auburn Mfg. Co., The (textile, industrial, skate, carriage) Middletown

Strip Steel
Detroit Steel Corp. New Haven
Dolan Steel Company, Inc. Bridgeport

Structural Mouldings
Leed Co., The H. A. Hamden

Studio Couches
Waterbury Mattress Co. Waterbury

Super Refractories
Mullite Works Refractories Div. H. K. Porter Co., Inc. Shelton

Surface Metal Raceway & Fittings
Wiremold Company, The Hartford

Surgical Dressings
Acme Cotton Products Co., Inc. East Killingly

Swaging Machinery
Fenn Mfg. Co., The Newington
Torrington Co., The Torrington
Waterbury Farrel Foundry & Machinery Co., The, Div. of Textron, Inc. Waterbury

Sweeping Compounds
Nielson & Sons, Inc., John R. South Windsor

Switches
Allied Control Co., Inc. (subminiature, toggle & pushbutton) Plantsville

Switchboards Wire and Cables
Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (asbestos insulated) New Haven

Tableware—Stainless Steel
Wallace Silversmiths, Inc. Wallingford

Tableware—Sterling Silver
Wallace Silversmiths, Inc. Wallingford

Tabulating Equipment—Manual
Denominator Company, Inc. Woodbury
Veeder-Root, Incorporated Hartford

Tanks
Acme Welding Div. United Tool & Die Co. West Hartford
Alsop Engineering Co. Milldale
Bigelow Co., The (steel) New Haven
Comco, Inc. Div. of Enthone, Inc. (steel, alloy and lined) New Haven
Connecticut Welders, Inc. (steel, alloy & lined) Wallingford
Enthone, Inc. New Haven
Norwalk Tank Co. Div. Mersick Industries, Inc. South Norwalk
Rolock, Inc. (Alloy) Fairfield
Storts Welding Co. (steel and alloy) Meriden

Tape
Russell Mfg. Co. (Glass Electrical Insulating Tapes, Glass Fabrics for Plastic Moulding) Middletown

Tape Machines
Better Packages, Inc. (Manual and electric models for case taping) Shelton
Derby Sealers, Inc. (manual and electric models) Derby

Taps
Hanson-Whitney Co., The Hartford
Pratt & Whitney Co., Inc. West Hartford

Tap, Drill & Stud Removal
Walton Co., The West Hartford

CONNECTICUT PRODUCTS AND SERVICES

Tap Extractors
Walton Co., The (and extensions) West Hartford

Tarred Lines
Brownell & Co., Inc. Moodus

Technical Writing
Watson-Manning Advertising Stratford

Telemetering Instruments
Bristol Co., The Waterbury

Television—Radio
Junior Screw Machine Products, Inc. West Haven

Temperature Controllers
Electronic Controls, Inc. Stamford

Terminals
Waterbury Companies, Inc. Waterbury

Testers—Insulation Wire & Cable
Davis Electric Company Wallingford

Testers—Nondestructive, Ultrasonic
Branson Instrument, Inc. Stamford
Sperry Products Co., Div. of Howe Sound Co. (Ultrasonic, X-ray and magnetic particle) Danbury

Testing
American Metaseal, Inc. (pressure) Hamden

Testing Services
Sperry Products Co., Div. of Howe Sound Co. (Ultrasonic, X-ray and magnetic particle) Danbury

Textile Printing Gums
Polymer Industries, Inc. Springdale

Textile Processors
Amerbelle Corporation Rockville

Thermometers
Bristol Co., The (recording and automatic control) Waterbury
Manning Maxwell & Moore, Inc. Stratford

Thin Gauge Metals
Plume & Atwood Mfg. Co., The Thomaston
Thinsheet Metals Co., The (plain or fluted in rolls) Waterbury

Thread
American Thread Co., The Willimantic
Belding Heminway Corticelli Putnam

Threading
Products Design & Mfg. Corp. Newington

Thread Chasers
Geometric Tool Div., Greenfield Tap & Die Corp. New Haven

Thread Gages
Hanson-Whitney Co., The Hartford
Pratt & Whitney Co., Inc. West Hartford

Thread Milling
McMellon Bros. Inc. Bridgeport

Thread Milling Machines
Pratt & Whitney Co., Inc. West Hartford

Thread Repair Kits
Heli-Coil Corp. Danbury

Thread Rolling Machinery
Hartford Special Machinery Co. (flat die) Hartford
Shuster Wire Machine Div. Mettler Machine Tool, Inc. New Haven
Waterbury Farrel Foundry & Machine Co., The Div. of Textron, Inc. Waterbury

Threading Machines
Grant Mfg. & Machine Co., The (double end automatic) Bridgeport

Timers, Interval
A. W. Haydon Co., The Waterbury
H. C. Thompson Clock Co., The Bristol
Cramer Controls Corp., The Centerbrook
Rhodes, Inc., M. H. Hartford

Timing Devices
B & N Tool & Engineering Co. (development and model work) Thomaston
Cramer Controls Corp., The Centerbrook
A. W. Haydon Co., The Waterbury
Lux Clock Mfg. Co., Waterbury
Rhodes, Inc., M. H. Hartford
United States Time Corp., The Waterbury

Timing Devices & Time Switches
A. W. Haydon Co., The Waterbury
Lux Clock Mfg. Co., Waterbury
M. H. Rhodes, Inc. Hartford

Tinning
Thinsheet Metals Co., The (non-ferrous metals in rolls) Waterbury
Wilcox-Crittenden Div. North & Judd Mfg. Co. Middletown

Tissue
Sanitary Paper Mills, Inc. (Dovalettes facial, bathroom and handkerchiefs) East Hartford

Tires
Armstrong Rubber Co., The West Haven

Toiletries
Chesebrough-Pond's, Inc. Clinton

Tool Chests
Vanderman Mfg. Co., The Willimantic

Tool Hardening
Commercial Metal Treating Co. Bridgeport

Tools
B & N Tool & Engineering Co. (dies, jigs, fixtures, sub-press and progressive) Thomaston
Hoggson & Pettis Mfg. Co., The (rubber workers) 141 Brewery St. New Haven

Tool Designers
Research & Development Designers, Inc. Middletown

Tools & Dies
Metropolitan Tool & Die Hartford
Lacey Mfg. Co., The Bridgeport
Moore Special Tool Co. Bridgeport

Tools, Dies & Fixtures
Greist Mfg. Co., The New Haven

Tools, Dies, Jigs & Fixtures
Fairfield Tool Co., Inc., The Bridgeport
Lyons Tool & Die (modelwork, jig boring) Meriden
Otterbald Co., J. A. Middletown
RSV Engineering Co. (gages) Wethersfield
Telke Tool & Die Mfg. Co. Kensington

Tools, Fixtures, Gauges
Fredericks Tool Co., J. F. West Hartford

Totalizers
Reflectone Electronics, Inc. Stamford

Toys
Geo. S. Scott Mfg. Co., The Wallingford
Gilbert Co., The A. C. New Haven
Gong Bell Mfg. Co. East Hampton
N. N. Hill Brass Co., The East Hampton
Terryville Mfg. Co. (stampings for) Terryville
U. S. Plastic Molding Corp. Wallingford
Waterbury Companies, Inc. Waterbury

Traffic Signal Controls
Automatic Signal Div. Eastern Industries, Inc. Norwalk

Transformers
Monarch Electric Co. (Allis Chalmers) New Britain

Trucks—Commercial
Metropolitan Body Company (International Harvester Truck chassis and "Metro" bodies) Bridgeport

Truck—Lift
Excelsior Hardware Co., The Stamford
Trucks—Skid Platforms
Excelsior Hardware Co., The (lift) Stamford

Tube Clips
Weimann Bros. Mfg. Co., The (for collapsible tubes) Derby

Tube Fittings
Scovill Manufacturing Co. (UNIFLARE flared tube and LOXIT compression tube) Waterbury

Tubers
Standard Machinery and Davis-Standard Divisions of Franklin Research Corp. Mystic

Tubes—Collapsible Metal
Sheffield Tube Corp., The New London

Tubing
American Brass Co., The (brass & copper) Waterbury
G & O Manufacturing Co. (finned) New Haven
Scovill Mfg. Co. (Brass and Copper) Waterbury
Wallingford Steel Co., The (stainless and super metals) Wallingford

Tubing—Carbon and Stainless Steel
Frasse & Co., Inc., Peter A. Hartford

Tubing—Flexible Metallic
American Brass Co., Metal Hose Branch Waterbury

Tubing—Heat Exchanger
American Brass Co., The Waterbury
Scovill Mfg. Co. Waterbury

Tumbling Barrels and Accessories
Nielsen & Sons, Inc., John R. South Windsor

Tumbling Equipment and Supplies
Esbec Barrel Finishing Corp. Byram

Tumbling Service
Esbec Barrel Finishing Corp. Meriden

Turntables
Macton Machinery Co., Inc. (Industrial & display) Stamford

Typewriters
Royal McBee Corp. Hartford
Underwood Corporation Hartford

Typewriter Ribbons and Supplies
Royal McBee Corp. Hartford and Bridgeport

Underclearer Rolls
Sonoco Products Co. (Climax-Lowell Div.) Mystic

Uniforms
Magson Uniform Co. Kensington

Ultrasonic Equipment
Harris Transducer Corp., Sub. of General Instrument Corp. Woodbury
Branson Ultrasonic Corp. Stamford

Underwater Equipment
Seamless Rubber Co. New Haven

Universal Joints
Gray and Prior Machine Co. (for machinery) Hartford

V-Belt Drives
Monarch Electric Co. (Allis Chalmers) New Britain

Vacuum Bottles and Containers
American Thermos Products Co. Norwich

Vacuum Cleaners
Electrolux Corp. Old Greenwich
Spencer Turbine Co., The Hartford

Vacuum Coating
Illuminized Finish Co. Cromwell

Vacuum Metallizing
Aluminized Finish & Mfg. Co. Cromwell

Valves
Jenkins Bros. Bridgeport
Rockwell Co., W. S. (Butterfly) Fairfield

Valves—Aircraft
Bridgeport Thermostat Div. Robertshaw-Fulton Controls Co. Milford

Valves—Relief & Control
Beaton & Caldwell Mfg. Co. New Britain

Valves—Safety & Relief
Manning Maxwell & Moore, Inc. Siratford

Valves—Solenoid
Allied Control Co., Inc. Plantsville
Skinner Electric Valve Div. of The Skinner Chuck Co. New Britain

Vanity Boxes
Bridgeport Metal Goods Mfg. Co. Bridgeport
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark, Thomaston
Scovill Mfg. Co. Waterbury

CONNECTICUT PRODUCTS AND SERVICES

Velvets

American Velvet Co. (owned and operated by A. Wimpfheimer & Bros., Inc.)
Stonington
Leiss Velvet Mfg. Co., Inc. The Willimantic

Venetian Blinds

Flindell Mfg. Co. Manchester
Jennings Co., The S. Barry New Haven

Ventilating Systems

Colonial Blower Co. Plainville

Vibration Detection Equipment

Advanced Electronics, Inc. Rocky Hill

Vibrators—Pneumatic

Branford Co., The (Industrial) New Britain
Vinyl Extrusion & Moulding Compounds
Electronic Rubber Co. Stamford

Vise Fixtures

Dery & Sons Tool & Die Co., A. L. Pine Meadow

Vise Jaws

Dery & Sons Tool & Die Co., A. L. (gang with loading trays) Pine Meadow

Vises

Fenn Manufacturing Co., The (Quick-Action Vises) Newington
Vanderman Mfg. Co., The (Combination Bench Pipe) Willimantic

Wall Paper

Stamford Wall Paper Co., Inc. Stamford

Washers

American Felt Co. (felt) Glenville
Auburn Mfg. Co., The (all materials) Middletown
Fabricon Corp. Unionville
Terryville Mfg. Co. (Made to order—all metals) Terryville

Washers—Felt

Chas. W. House & Sons, Inc. (Mills & Cutting Plant) Unionville

Watches

E. Ingraham Co., The Bristol
United States Time Corp., The Waterbury

Washers—Precision

Laminated Shim Company, Inc. Glenbrook

Water Deionizers

Penfield Mfg. Co. Meriden

Water Heaters

Whitlock Mfg. Co., The (Instantaneous & storage) Hartford

Water Heaters—Electric

Bauer & Company, Inc. Hartford

Waxes

Fuller Brush Co., The (liquid and paste for floor and furniture) East Hartford
Harrison Company, The A. S. (and other protective coatings) South Norwalk

Webbing

Russell Mfg. Co. (Webbing for Safety Seat Belts—all types of webbing) Middletown

Welded Products

Acme Welding Div. United Tool & Die Co. West Hartford

Welding

Aircraft Welding & Mfg. Co., Inc. (aluminum, stainless steel, magnesium) Hartford
Ansonia Steel Fabrication Co., Inc. (steel, stainless steel and aluminum fabrication) Ansonia
Connecticut Welders, Inc. (fabrication & repairs) Wallingford
Industrial Welding Co. (Equipment Manufacturers—Steel Fabricators) Hartford
Storts Welding Company (tanks, coils & cation) Meriden
Tag Alloy Welding & Mfg. Co., Inc. (nuclear, missile and aircraft type) Glastonbury

Welding—Lead

Connecticut Welders, Inc. (tanks & coils) Wallingford
Lead Products, Inc. (tanks & fabrication) Manchester
Storts Welding Company (tanks, coils & anodes) Meriden

Welding—Lead Bricks

Lead Products, Inc. Manchester

Welding Rods

American Brass Co., The Waterbury
Bristol Brass Co., The (brass & bronze) Bristol

Welding Solder

Lead Products, Inc. (wire, bar and cakes and babbitts) Manchester

Wells

Church Co., The Stephen B. Seymour
Wheel Dressers—Diamonds
Russell, Inc., R. R. Newington

Wicks

Auburn Mfg. Co., The (felt, asbestos) Middletown
Holyoke Heater Corp. of Conn., Inc. Hartford

Window & Door Guards

Hartford Wire Works Co., The Hartford
Smith Co., The John P. New Haven

Wire

American Brass Co., The Waterbury
Atlantic Wire Co., The (steel) Branford
Bartlett Hair Spring Wire Co., The North Haven
Bristol Brass Corp., The (brass & bronze) Bristol
Driscoll Wire Co., The (steel) Shelton
Hudson Wire Co., Winsted Div. (insulated & enameled magnet) Winsted
Platt Bros. & Co., The (zinc and zinc alloy wires) Waterbury
Scovill Mfg. Co. (Brass, Bronze and Nickel Silver) Waterbury
Viking Wire Co., Inc. (enameled magnet) Danbury

Wire and Cable

Continental Wire Corp. (for industrial and military applications) Wallingford
General Electric Company (for residential, commercial and industrial applications) Bridgeport
Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (all asbestos, mining, shipboard and appliance applications) New Haven (Advt.)

Wire Arches & Trellises

Hartford Wire Works Co., The Hartford

Wire Baskets

Rolock, Inc. Fairfield
Wiretex Mfg. Inc. (Industrial, for acid, heat, treating and degreasing) Bridgeport

Wire & Cable—High Temperature

Lewis Engineering Co., The Naugatuck

Wire Cloth

Hartford Wire Works Co., The Hartford
C. O. Jelliff Mfg. Co., The (all metals, all meshes) Southport
McCluskey Wire Co., Inc. (Fourdrinier) New Haven
Pequot Wire Cloth Co., Inc. (Industrial grades only) Norwalk
Rolock, Inc. (alloy) Fairfield
Smith Co., The John P. New Haven

Wire Dipping Baskets

Hartford Wire Works Co., The Hartford
John P. Smith Co., The New Haven

Wire Forming Machinery

Nilson Machine Co., The A. H. Shelton
Torrington Mfg. Co., The Torrington

Wire Formings

Master Engineering Co. West Cheshire
North & Judd Mfg. Co. New Britain
Oakville Co. Div. Scovill Mfg. Co. Oakville
Peck Spring Co. Plainville
Turner & Seymour Mfg. Co., The ? ? ?

Wire Forms

Atlantic Precision Spring Co. Forestville
Banner Spring Corp. Hartford
Barnes Co., The Wallace Div. Associated Spring Corp. Bristol
Bristol Spring Mfg. Co. Plainville
Colonial Spring Corporation, The Hartford
Connecticut Spring Corp., The Hartford
Foursome Manufacturing Co. Bristol
Gemco Mfg. Co., Inc. Southington
Stanley Humason, Inc. Forestville
New England Spring Mfg. Co. Unionville
Peck Spring Co. Plainville
Templeman Co., D. R. Plainville
Terryville Mfg. Co. Terryville
Wire Form, Inc. Middale

Wire Goods

American Buckle Co., The (overall trimmings) West Haven
Scovill Mfg. Co. (to order) Waterbury

Wire Partitions

Hartford Wire Works Co., The Hartford
John P. Smith Co., The New Haven
Torrington

Wire Products

Artistic Wire Products, Inc. Taftsville
Stanley Humanson, Inc. Forestville
Peck Spring Co. Plainville
J. C. Products, Inc. Higganum

Wire Reels

Nilson Machine Co., The A. H. Shelton
Shuster Wire Machine Div. Mettler Machine Tool, Inc. New Haven
Waterbury Farrel Foundry & Machine Co., The Div. of Textron, Inc. Waterbury

Wire Rings

American Buckle Co., The (pan handles and trimmers' trimmings) West Haven
Stanley Humason, Inc. Forestville
Peck Spring Co. Plainville
Templeman Co., D. R. Plainville

Wire—Specialties

Andrew B. Hendryx Co., The New Haven

Wire Springs

Carlson Spring Co. (Torsion, Compression, Extension) Berlin

Wire Straightening & Cutting Machinery

Shuster Wire Machine Div. Mettler Machine Tool, Inc. New Haven

Wiring Devices

Harvey Hubbell, Inc. Bridgeport

Wood Scrapers

Fletcher-Terry Co., The Forestville

Woodwork

C. H. Dresser & Sons, Inc. (Mfg. all kinds of woodwork) Hartford
Hartford Builders Finish Co. Hartford

Woven Felts—Wool

Chas. W. House & Sons, Inc. (Mills & Cutting Plant) Unionville

X-ray—Industrial

Bridgeport Testing Laboratory, Inc. Bridgeport

Yarns

Aldon Spinning Mills Corp., The (fine-woolen and specialty) Talcottville
Ensign-Bickford Co., The (jute-carpet) Simsbury

Zinc

Platt Bros. & Co., The (ribbon, strip and wire) P. O. Box 1030 Waterbury

Zinc Castings

Mosman Co., Charles H. Westbrook
Newton-New Haven Co., Inc. West Haven

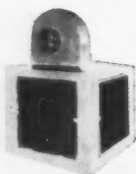
Zinc Die Castings

Mt. Vernon Die Castings Corp. Stamford
Pensley Products, Inc. Stratford
Stewart Die Casting Div. Stewart-Warner Corp. Bridgeport

COLONIAL

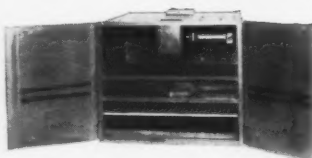
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How Would You Decide?

(Continued from Page 35)

company rule applied universally throughout the plant. Further, the grievant's absence caused no disruption of work schedules. It requested that the grievant be reimbursed for loss of earnings.

Are employee absences a legitimate concern of an employer?

The arbitrator held that employers have the right to seek the causes of absences where it appears necessary to deter unjustifiable absences and as a preventive measure, or to determine whether, after an absence, disciplinary action should be taken. A refusal by an employee to comply with a request for a reason will subject the employee to disciplinary action. In the present instance, the grievant's attitude was not compatible with his obligation to the company. Instead, he acted in direct defiance of the warning and risked the disciplinary action which followed. The arbitrator further stated that there was no necessity for establishing a uniform rule, provided the company was not discriminatory in requiring excuses for absences.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912, as amended by the Acts of March 3, 1933, July 2, 1946 and June 11, 1960 (74 Stat. 208) OF CONNECTICUT INDUSTRY, published monthly at Hartford, Conn., October 1, 1960.

STATE OF CONNECTICUT
COUNTY OF HARTFORD

Before me, a Commissioner of the Superior Court, in and for the State and County aforesaid, personally appeared L. M. Bingham, who, having been duly sworn according to law, deposes and says that he is the Editor of the CONNECTICUT INDUSTRY and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication, for the date shown in the above caption, required by the Act of August 24, 1912, embodied in Section 233, Postal Laws and Regulations, printed on the reverse of this form to wit:

1. The names and addresses of the publisher, editor, managing editor, and business managers are:

Editor - L. M. BINGHAM
Publisher - MANUFACTURERS' ASSOC. OF CONN.
Address: 928 Farmington Ave., West Hartford, Conn.

2. That the owner is the Manufacturers' Association of Connecticut, a non-profit corporation.

3. The known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: None.

4. Paragraphs 2 and 3 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting; also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner.

5. The average number of copies of each issue of this publication sold or distributed through the mails or otherwise, to paid subscribers during the 12 months preceding the date shown was: 3,300.

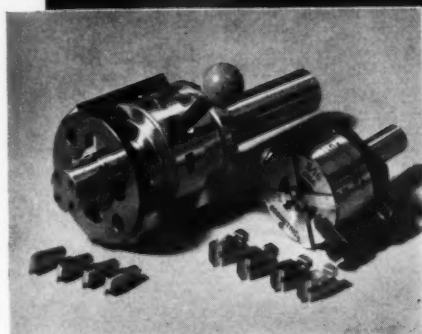
L. M. BINGHAM,
Editor.

Sworn to and subscribed before me this 16th day of September, 1960.

FREDRICK H. WATERHOUSE
Commissioner of Superior Court.

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Threading chasers move from first bath to second. The inset shows a universal collapsing tap for internal threading at left, and at right a threading diehead.

Connecticut Manufacturer Prefers ELECTRIC PROCESS HEATING

For 5 years the Geometric Tool Division, United-Greenfield Corp., New Haven, has used electric process heating to harden tool parts already machined.

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